

# 令和7年度 建設主要資材一括承認

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- 4.コンクリート積ブロック
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令和7年4月1日

飯 田 市

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## 生コンクリート一括承認条件

- 1 生産工場・製品・配合は、別紙のとおり。
- 2 生コンクリートの配合はW/Cの指定をした場合。
  - ①市の要求する規定をすべて満足する製品をその工場の中から選出し、使用する。
  - ②市の要求する規定をすべて満足する配合をし、特注品として使用する。上記の二方法があるが、一括承認では①にて承認。
- 3 使用材料及び示方配合の変更時には、変更申請のこと。
- 4 コンクリートの品質記録保存について。〈土木工事現場必携(R6) 共9-43～共9-45参照〉
- 5 コンクリートの品質管理について。〈土木工事現場必携(R6) 共9-1～共9-42参照〉
  - ①コンクリート中の塩化物総量規制については、鉄筋構造物(用心鉄筋を含む)の現場毎に実施のこと。
  - ②アルカリ骨材反応抑制対策は、実施する対応策と、その検査、確認した結果について年度当初、承認を受けること。
- 6 コンクリートの水セメント比は、原則として、鉄筋コンクリートについては55%以下、無筋コンクリートのについては60%以下とする。
- 7 18-5-80BB・21-5-80BBについてはJIS規格外品であることから、現場使用にあたっては使用承認申請を提出し、示方配合による試験練りを行い強度確認してから使用承認する。なお同一工場でも2回目以降の使用承認申請については、1回目の使用承認申請に変更事項がなければ、試験練りを省略して使用承認しても可とする。

## 生コンクリート一括承認工場(令和7年度)

| 承認<br>番号 | 会 社 名 ( 工 場 名 ) | JIS 許 可 番 号 | 所 在 地            | 電 話 番 号      | 使 用 骨 材 の 産 地               |
|----------|-----------------|-------------|------------------|--------------|-----------------------------|
| 1        | アザーレミックス(株)     | TC0307107   | 飯田市松尾清水8602      | 0265-23-8550 | 小渋川・天竜川<br>飯伊砂利採取販売協同組合     |
| 2        | 飯伊綿半生コン(株)      | TC0307343   | 飯田市鼎切石5005-3     | 0265-24-7200 | 天竜川・小渋川<br>飯伊砂利採取販売協同組合     |
| 3        | 松川・モルセラ(株)本社工場  | TC0307136   | 下伊那郡松川町元大島2715-2 | 0265-36-2626 | 小渋川・天竜川<br>飯伊砂利採取販売協同組合     |
| 4        | 竜峡レミコン(株)       | TC0306076   | 飯田市龍江2551        | 0265-28-7088 | 小渋川・天竜川・遠山川<br>飯伊砂利採取販売協同組合 |
| 5        | (株)高沢生コン        | TC0308088   | 下伊那郡高森町吉田2283    | 0265-35-3121 | 大鹿 大河原<br>大鹿碎石株式会社          |
| 6        | 大鹿レミコン(株)       | TC0307096   | 下伊那郡大鹿村大河原371-5  | 0265-39-2117 | 小渋川<br>飯伊砂利採取販売協同組合         |
| 7        | 阿南生コン(株) 南宮工場   | TC0308016   | 下伊那郡阿南町東條1550-20 | 0260-22-2272 | 遠山川<br>飯伊砂利採取販売協同組合         |
| 8        | 阿南生コン(株) 本社新野工場 | TC0308058   | 下伊那郡阿南町新野3528-1  | 0260-24-2501 | 遠山川<br>飯伊砂利採取販売協同組合         |
| 9        | 遠山生コンプラント協同組合   | TC0307327   | 飯田市南信濃木沢302-ハ-2  | 0260-34-2537 | 遠山川<br>遠山川砂利採取販売協同組合        |

## 生コンクリート承認配合の種類(令和7年度)

N:普通ポルトランドセメント

B:高炉セメントB種

| No. | 設計配合       |           | 条件を満たす呼び方<br>(実施配合) | No. | 設計配合       |                        | 条件を満たす呼び方<br>(実施配合) |
|-----|------------|-----------|---------------------|-----|------------|------------------------|---------------------|
|     | 呼び方        | 指定条件      |                     |     | 呼び方        | 指定条件                   |                     |
| 1   | 18-8-25N   | W/C=60%以下 | 21-8-25N            | 13  | 24-8-25N   | W/C=55%以下              | 24-8-25N            |
| 2   | 18-12-25N  | 〃         | 21-12-25N           | 14  | 24-12-25N  | 〃                      | 24-12-25N           |
| 3   | 18-5-40N   | 〃         | 21-5-40N            | 15  | 24-8-40N   | 〃                      | 24-8-40N            |
| 4   | 18-8-40N   | 〃         | 21-8-40N            | 16  | 24-12-40N  | 〃                      | 24-12-40N           |
| 5   | 18-12-40N  | 〃         | 21-12-40N           | 17  | 24-8-25BB  | 〃                      | 24-8-25BB           |
| 6   | 18-8-25BB  | 〃         | 21-8-25BB           | 18  | 24-12-25BB | 〃                      | 24-12-25BB          |
| 7   | 18-12-25BB | 〃         | 21-12-25BB          | 19  | 24-8-40BB  | 〃                      | 24-8-40BB           |
| 8   | 18-5-40BB  | 〃         | 21-5-40BB           | 20  | 24-12-40BB | 〃                      | 24-12-40BB          |
| 9   | 18-8-40BB  | 〃         | 21-8-40BB           | 21  | 捨-8-25N    | C=170kg/m <sup>3</sup> | 捨-8-25N             |
| 10  | 18-12-40BB | 〃         | 21-12-40BB          | 22  | 捨-8-40N    | 〃                      | 捨-8-40N             |
| 11  | 18-5-80BB  | 〃         | 21-5-80BB           | 23  | 捨-8-25BB   | 〃                      | 捨-8-25BB            |
| 12  | 21-5-80BB  | 〃         | 21-5-80BB           | 24  | 捨-8-40BB   | 〃                      | 捨-8-40BB            |

(1)JIS規格(A5308)・コンクリート標準示方書の規定を満足する呼び強度標準品を使用する。

(2)品質管理は、使用コンクリートの呼び強度で管理する。

※上記承認配合適用会社(工場)

アザーレミックス(株)

飯伊綿半生コン(株)

松川・モルセラ(株)本社工場

竜峡レミコン(株)

大鹿レミコン(株)

阿南生コン(株) 南宮工場

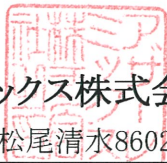
阿南生コン(株) 本社新野工場

遠山生コンプラント協同組合

(株)高沢生コン

変更

標準配合表



アザーレミックス株式会社  
長野県飯田市松尾清水8602番地

令和 7 年度 (飯田市)

| 設 計 配 合         |                                   | 条件を満たす配合        | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物<br>量<br>(kg/m3) | アルカリ<br>総量<br>(kg/m3) |
|-----------------|-----------------------------------|-----------------|-----------------|---------------|-------------|---------------|------|-----|------|-------|---------------------|-----------------------|
| 呼 び 方           | 指 定 条 件                           | 呼 び 方           |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                     |                       |
| 18 - 8 - 25 N   | W/C=60%以下                         | 21 - 8 - 25 N   | 27.0            | 59.5          | 42.4        | 155           | 261  | 813 | 1125 | 1.830 | 0.066               | 1.61                  |
| 18 - 12 - 25 N  | 〃                                 | 21 - 12 - 25 N  | 27.0            | 59.5          | 44.4        | 164           | 276  | 836 | 1065 | 1.930 | 0.069               | 1.70                  |
| 18 - 5 - 40 N   | 〃                                 | 21 - 5 - 40 N   | 27.0            | 59.5          | 37.4        | 139           | 234  | 744 | 1265 | 1.640 | 0.059               | 1.44                  |
| 18 - 8 - 40 N   | 〃                                 | 21 - 8 - 40 N   | 27.0            | 59.5          | 38.4        | 145           | 244  | 753 | 1228 | 1.710 | 0.062               | 1.51                  |
| 18 - 12 - 40 N  | 〃                                 | 21 - 12 - 40 N  | 27.0            | 59.5          | 40.4        | 153           | 258  | 779 | 1168 | 1.810 | 0.065               | 1.59                  |
| 18 - 8 - 25 BB  | 〃                                 | 21 - 8 - 25 BB  | 27.0            | 59.5          | 44.0        | 157           | 264  | 839 | 1084 | 1.850 | 0.042               | —                     |
| 18 - 12 - 25 BB | 〃                                 | 21 - 12 - 25 BB | 27.0            | 59.5          | 44.4        | 163           | 274  | 833 | 1062 | 1.920 | 0.043               | —                     |
| 18 - 5 - 40 BB  | 〃                                 | 21 - 5 - 40 BB  | 27.0            | 59.5          | 37.4        | 139           | 234  | 740 | 1262 | 1.640 | 0.037               | —                     |
| 18 - 8 - 40 BB  | 〃                                 | 21 - 8 - 40 BB  | 27.0            | 59.5          | 38.4        | 145           | 244  | 750 | 1222 | 1.710 | 0.039               | —                     |
| 18 - 12 - 40 BB | 〃                                 | 21 - 12 - 40 BB | 27.0            | 59.5          | 40.4        | 153           | 258  | 776 | 1163 | 1.810 | 0.041               | —                     |
| 24 - 8 - 25 N   | W/C=55%以下                         | 24 - 8 - 25 N   | 30.9            | 55.0          | 42.0        | 156           | 284  | 797 | 1119 | 1.990 | 0.071               | 1.75                  |
| 24 - 12 - 25 N  | 〃                                 | 24 - 12 - 25 N  | 30.9            | 55.0          | 44.0        | 165           | 300  | 819 | 1059 | 2.100 | 0.075               | 1.85                  |
| 24 - 8 - 40 N   | 〃                                 | 24 - 8 - 40 N   | 30.9            | 55.0          | 37.5        | 146           | 266  | 728 | 1232 | 1.860 | 0.067               | 1.64                  |
| 24 - 12 - 40 N  | 〃                                 | 24 - 12 - 40 N  | 30.9            | 55.0          | 39.5        | 154           | 280  | 753 | 1175 | 1.960 | 0.070               | 1.73                  |
| 24 - 8 - 25 BB  | 〃                                 | 24 - 8 - 25 BB  | 30.9            | 55.0          | 43.5        | 158           | 288  | 816 | 1081 | 2.020 | 0.045               | —                     |
| 24 - 12 - 25 BB | 〃                                 | 24 - 12 - 25 BB | 30.9            | 55.0          | 44.0        | 164           | 299  | 813 | 1056 | 2.090 | 0.047               | —                     |
| 24 - 8 - 40 BB  | 〃                                 | 24 - 8 - 40 BB  | 30.9            | 55.0          | 37.5        | 146           | 266  | 723 | 1228 | 1.860 | 0.042               | —                     |
| 24 - 12 - 40 BB | 〃                                 | 24 - 12 - 40 BB | 30.9            | 55.0          | 39.5        | 154           | 280  | 750 | 1165 | 1.960 | 0.044               | —                     |
| 捨 - 8 - 25 N    | C=170kg/m3                        | 捨 - 8 - 25 N    | -               | 93.5          | 45.4        | 159           | 170  | 902 | 1102 | 1.190 | 0.043               | 1.05                  |
| 捨 - 8 - 40 N    | C=170kg/m3                        | 捨 - 8 - 40 N    | -               | 86.5          | 40.3        | 147           | 170  | 813 | 1225 | 1.190 | 0.043               | 1.05                  |
| 捨 - 8 - 25 BB   | C=170kg/m3                        | 捨 - 8 - 25 BB   | -               | 91.5          | 44.7        | 156           | 170  | 889 | 1119 | 1.190 | 0.028               | —                     |
| 捨 - 8 - 40 BB   | C=170kg/m3                        | 捨 - 8 - 40 BB   | -               | 83.5          | 39.8        | 142           | 170  | 806 | 1242 | 1.190 | 0.028               | —                     |
| 備 考             | セメント水比式 N 低強度 m= -18.4 + 27.1 C/W |                 |                 |               |             |               |      |     |      |       |                     |                       |
|                 | 高強度 m= -21.4 + 28.3 C/W           |                 |                 |               |             |               |      |     |      |       |                     |                       |
|                 | BB 低強度 m= -18.4 + 27.1 C/W        |                 |                 |               |             |               |      |     |      |       |                     |                       |
|                 | 高強度 m= -21.4 + 28.3 C/W           |                 |                 |               |             |               |      |     |      |       |                     |                       |
|                 | ・空気量:25mm・40mm = 4.5%             |                 |                 |               |             |               |      |     |      |       |                     |                       |

使用細骨材の粗粒率

|    |      |      |      |      |
|----|------|------|------|------|
| FM | S1   | S2   | S3   | 目標値  |
|    | 2.70 | 2.80 | 2.70 | 2.73 |

標準配合表

飯伊綿半生コン株式会社

長野県飯田市鼎切石5005番地の3

令和 7 年度 (飯田市)

| 設 計 配 合               |                            | 条件を満たす配合 |              | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物<br>量<br>(kg/m3) | アルカリ<br>総量<br>(kg/m3) |
|-----------------------|----------------------------|----------|--------------|-----------------|---------------|-------------|---------------|------|-----|------|-------|---------------------|-----------------------|
| 呼 び 方                 | 指 定 条 件                    | 呼 び 方    |              |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                     |                       |
| 18 - 8 - 25 N         | W/C=60%以下                  | 21       | - 8 - 25 N   | 27.0            | 59.5          | 44.0        | 155           | 261  | 844 | 1088 | 3.130 | 0.069               | 1.65                  |
| 18 - 12 - 25 N        | 〃                          | 21       | - 12 - 25 N  | 27.0            | 59.5          | 45.0        | 163           | 274  | 849 | 1051 | 3.290 | 0.072               | 1.73                  |
| 18 - 5 - 40 N         | 〃                          | 21       | - 5 - 40 N   | 27.0            | 59.5          | 39.0        | 139           | 234  | 772 | 1225 | 2.810 | 0.062               | 1.48                  |
| 18 - 8 - 40 N         | 〃                          | 21       | - 8 - 40 N   | 27.0            | 59.5          | 40.0        | 145           | 244  | 782 | 1190 | 2.930 | 0.064               | 1.54                  |
| 18 - 12 - 40 N        | 〃                          | 21       | - 12 - 40 N  | 27.0            | 59.5          | 42.0        | 153           | 258  | 809 | 1130 | 3.100 | 0.068               | 1.63                  |
| 18 - 8 - 25 BB        | 〃                          | 21       | - 8 - 25 BB  | 27.0            | 59.5          | 44.0        | 152           | 256  | 844 | 1091 | 3.070 | 0.045               | —                     |
| 18 - 12 - 25 BB       | 〃                          | 21       | - 12 - 25 BB | 27.0            | 59.5          | 45.0        | 160           | 269  | 849 | 1053 | 3.230 | 0.047               | —                     |
| 18 - 5 - 40 BB        | 〃                          | 21       | - 5 - 40 BB  | 27.0            | 59.5          | 39.0        | 137           | 231  | 774 | 1225 | 2.770 | 0.040               | —                     |
| 18 - 8 - 40 BB        | 〃                          | 21       | - 8 - 40 BB  | 27.0            | 59.5          | 40.0        | 143           | 241  | 782 | 1190 | 2.890 | 0.042               | —                     |
| 18 - 12 - 40 BB       | 〃                          | 21       | - 12 - 40 BB | 27.0            | 59.5          | 42.0        | 151           | 254  | 809 | 1130 | 3.050 | 0.044               | —                     |
| 24 - 8 - 25 N         | W/C=55%以下                  | 24       | - 8 - 25 N   | 30.8            | 54.5          | 43.5        | 155           | 285  | 825 | 1086 | 3.420 | 0.075               | 1.8                   |
| 24 - 12 - 25 N        | 〃                          | 24       | - 12 - 25 N  | 30.8            | 54.5          | 44.5        | 163           | 299  | 830 | 1048 | 3.590 | 0.079               | 1.89                  |
| 24 - 8 - 40 N         | 〃                          | 24       | - 8 - 40 N   | 30.8            | 54.5          | 39.5        | 145           | 266  | 766 | 1188 | 3.190 | 0.070               | 1.68                  |
| 24 - 12 - 40 N        | 〃                          | 24       | - 12 - 40 N  | 30.8            | 54.5          | 41.5        | 153           | 281  | 790 | 1130 | 3.370 | 0.074               | 1.77                  |
| 24 - 8 - 25 BB        | 〃                          | 24       | - 8 - 25 BB  | 30.8            | 54.5          | 43.5        | 152           | 279  | 828 | 1088 | 3.350 | 0.048               | —                     |
| 24 - 12 - 25 BB       | 〃                          | 24       | - 12 - 25 BB | 30.8            | 54.5          | 44.5        | 160           | 294  | 830 | 1051 | 3.530 | 0.051               | —                     |
| 24 - 8 - 40 BB        | 〃                          | 24       | - 8 - 40 BB  | 30.8            | 54.5          | 39.5        | 143           | 263  | 766 | 1188 | 3.160 | 0.046               | —                     |
| 24 - 12 - 40 BB       | 〃                          | 24       | - 12 - 40 BB | 30.8            | 54.5          | 41.5        | 151           | 277  | 790 | 1127 | 3.320 | 0.048               | —                     |
| 捨 - 8 - 25 N          | C=170kg/m3                 | 捨        | - 8 - 25 N   | -               | 83.5          | 46.4        | 160           | 192  | 911 | 1067 | 2.300 | 0.051               | 1.21                  |
| 捨 - 8 - 40 N          | C=170kg/m3                 | 捨        | - 8 - 40 N   | -               | 83.5          | 42.4        | 149           | 179  | 849 | 1169 | 2.150 | 0.048               | 1.13                  |
| 捨 - 8 - 25 BB         | C=170kg/m3                 | 捨        | - 8 - 25 BB  | -               | 83.5          | 46.5        | 157           | 185  | 915 | 1070 | 2.220 | 0.032               | —                     |
| 捨 - 8 - 40 BB         | C=170kg/m3                 | 捨        | - 8 - 40 BB  | -               | 83.5          | 42.5        | 147           | 173  | 854 | 1169 | 2.080 | 0.030               | —                     |
| 備 考                   | セメント水比式                    |          |              |                 |               |             |               |      |     |      |       |                     |                       |
|                       | N 低強度 m= -15.4 + 25.3 C/W  |          |              |                 |               |             |               |      |     |      |       |                     |                       |
|                       | 高強度 m= -15.4 + 25.3 C/W    |          |              |                 |               |             |               |      |     |      |       |                     |                       |
|                       | BB 低強度 m= -13.7 + 24.3 C/W |          |              |                 |               |             |               |      |     |      |       |                     |                       |
|                       | 高強度 m= -13.7 + 24.3 C/W    |          |              |                 |               |             |               |      |     |      |       |                     |                       |
| ・空気量:25mm・40mm = 4.5% |                            |          |              |                 |               |             |               |      |     |      |       |                     |                       |

使用細骨材の粗粒率

|    |      |      |    |      |
|----|------|------|----|------|
| FM | S1   | S2   | S3 | 目標値  |
|    | 2.85 | 2.70 | -  | 2.76 |

標準配合表

松川・モルセラ株式会社 本社工場  
長野県下伊那郡松川町元大島2715-2



| 令和 7 年度 (飯田市)         |                          |                 |  |                 |               |             |               |      |     |      |       |                 | 長野県下伊那郡松川町 大島2715-2 |  |
|-----------------------|--------------------------|-----------------|--|-----------------|---------------|-------------|---------------|------|-----|------|-------|-----------------|---------------------|--|
| 設 計 配 合               |                          | 条件を満たす配合        |  | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物量<br>(kg/m3) | アルカリ総量<br>(kg/m3)   |  |
| 呼 び 方                 | 指 定 条 件                  | 呼 び 方           |  |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                 |                     |  |
| 18 - 8 - 25 N         | W/C=60%以下                | 21 - 8 - 25 N   |  | 27.0            | 59.0          | 44.9        | 158           | 268  | 855 | 1062 | 2.680 | 0.08            | 1.70                |  |
| 18 - 12 - 25 N        | 〃                        | 21 - 12 - 25 N  |  | 27.0            | 59.0          | 45.9        | 166           | 282  | 857 | 1027 | 2.820 | 0.08            | 1.79                |  |
| 18 - 5 - 40 N         | 〃                        | 21 - 5 - 40 N   |  | 27.0            | 59.0          | 38.8        | 142           | 241  | 765 | 1222 | 2.410 | 0.07            | 1.53                |  |
| 18 - 8 - 40 N         | 〃                        | 21 - 8 - 40 N   |  | 27.0            | 59.0          | 40.8        | 148           | 251  | 793 | 1168 | 2.510 | 0.08            | 1.60                |  |
| 18 - 12 - 40 N        | 〃                        | 21 - 12 - 40 N  |  | 27.0            | 59.0          | 42.3        | 156           | 265  | 807 | 1120 | 2.650 | 0.08            | 1.69                |  |
| 18 - 8 - 25 BB        | 〃                        | 21 - 8 - 25 BB  |  | 27.0            | 59.5          | 45.0        | 158           | 266  | 853 | 1057 | 2.660 | 0.08            | —                   |  |
| 18 - 12 - 25 BB       | 〃                        | 21 - 12 - 25 BB |  | 27.0            | 59.5          | 46.0        | 166           | 279  | 857 | 1019 | 2.790 | 0.08            | —                   |  |
| 18 - 5 - 40 BB        | 〃                        | 21 - 5 - 40 BB  |  | 27.0            | 59.5          | 38.9        | 142           | 239  | 765 | 1215 | 2.390 | 0.07            | —                   |  |
| 18 - 8 - 40 BB        | 〃                        | 21 - 8 - 40 BB  |  | 27.0            | 59.5          | 40.9        | 148           | 249  | 795 | 1160 | 2.490 | 0.07            | —                   |  |
| 18 - 12 - 40 BB       | 〃                        | 21 - 12 - 40 BB |  | 27.0            | 59.5          | 42.4        | 156           | 263  | 808 | 1112 | 2.630 | 0.08            | —                   |  |
| 24 - 8 - 25 N         | W/C=55%以下                | 24 - 8 - 25 N   |  | 30.9            | 54.5          | 44.4        | 160           | 294  | 833 | 1057 | 2.940 | 0.09            | 1.87                |  |
| 24 - 12 - 25 N        | 〃                        | 24 - 12 - 25 N  |  | 30.9            | 54.4          | 45.4        | 168           | 309  | 836 | 1019 | 3.090 | 0.09            | 1.97                |  |
| 24 - 8 - 40 N         | 〃                        | 24 - 8 - 40 N   |  | 30.9            | 54.5          | 39.9        | 149           | 274  | 766 | 1170 | 2.740 | 0.08            | 1.74                |  |
| 24 - 12 - 40 N        | 〃                        | 24 - 12 - 40 N  |  | 30.9            | 54.5          | 41.4        | 157           | 288  | 783 | 1122 | 2.880 | 0.09            | 1.83                |  |
| 24 - 8 - 25 BB        | 〃                        | 24 - 8 - 25 BB  |  | 30.9            | 54.5          | 44.4        | 160           | 294  | 829 | 1051 | 2.940 | 0.09            | —                   |  |
| 24 - 12 - 25 BB       | 〃                        | 24 - 12 - 25 BB |  | 30.9            | 54.5          | 45.4        | 168           | 309  | 831 | 1014 | 3.090 | 0.09            | —                   |  |
| 24 - 8 - 40 BB        | 〃                        | 24 - 8 - 40 BB  |  | 30.9            | 54.5          | 39.9        | 149           | 274  | 765 | 1167 | 2.740 | 0.08            | —                   |  |
| 24 - 12 - 40 BB       | 〃                        | 24 - 12 - 40 BB |  | 30.9            | 54.5          | 41.4        | 157           | 288  | 778 | 1117 | 2.880 | 0.09            | —                   |  |
| 捨 - 8 - 25 N          | C=170kg/m3               | 捨 - 8 - 25 N    |  | -               | 88.8          | 45.5        | 151           | 170  | 907 | 1108 | 1.700 | 0.05            | 1.08                |  |
| 捨 - 8 - 40 N          | C=170kg/m3               | 捨 - 8 - 40 N    |  | -               | 83.5          | 40.2        | 142           | 170  | 811 | 1230 | 1.700 | 0.05            | 1.08                |  |
| 捨 - 8 - 25 BB         | C=170kg/m3               | 捨 - 8 - 25 BB   |  | -               | 87.6          | 45.5        | 149           | 170  | 907 | 1108 | 1.700 | 0.05            | —                   |  |
| 捨 - 8 - 40 BB         | C=170kg/m3               | 捨 - 8 - 40 BB   |  | -               | 82.4          | 40.2        | 140           | 170  | 811 | 1230 | 1.700 | 0.05            | —                   |  |
| 備 考                   | セメント水比式                  |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
|                       | N 低強度 m= -19 + 27.1 C/W  |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
|                       | 高強度 m= -19 + 27.1 C/W    |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
|                       | BB 低強度 m= -18 + 26.8 C/W |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| 高強度 m= -18 + 26.8 C/W |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| ・空気量:25mm・40mm = 4.5% |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| 使用細骨材の粗粒率             |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| FM                    |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| S1 S2 S3 目標値          |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |
| 2.80 2.80 - 2.80      |                          |                 |  |                 |               |             |               |      |     |      |       |                 |                     |  |

標準配合表

竜峡レミコン株式会社  
長野県飯田市龍江2551

令和 7 年度 (飯田市)

| 設 計 配 合         |                                   | 条件を満たす配合        |  | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |      |      |       | 塩化物量<br>(kg/m3) | アルカリ総量<br>(kg/m3) |
|-----------------|-----------------------------------|-----------------|--|-----------------|---------------|-------------|---------------|------|------|------|-------|-----------------|-------------------|
| 呼 び 方           | 指 定 条 件                           | 呼 び 方           |  |                 |               |             | 水             | セメント | 細骨材  | 粗骨材  | 混和剤   |                 |                   |
| 18 - 8 - 25 N   | W/C=60%以下                         | 21 - 8 - 25 N   |  | 27              | 60.0          | 45.3        | 157           | 262  | 861  | 1046 | 2.620 | 0.062           | 1.54              |
| 18 - 12 - 25 N  | 〃                                 | 21 - 12 - 25 N  |  | 27              | 60.0          | 46.3        | 164           | 274  | 866  | 1012 | 2.740 | 0.064           | 1.61              |
| 18 - 5 - 40 N   | 〃                                 | 21 - 5 - 40 N   |  | 27              | 60.0          | 39.5        | 138           | 230  | 782  | 1208 | 2.300 | 0.054           | 1.35              |
| 18 - 8 - 40 N   | 〃                                 | 21 - 8 - 40 N   |  | 27              | 60.0          | 40.7        | 145           | 242  | 792  | 1167 | 2.420 | 0.056           | 1.42              |
| 18 - 12 - 40 N  | 〃                                 | 21 - 12 - 40 N  |  | 27              | 60.0          | 43.5        | 155           | 259  | 829  | 1090 | 2.590 | 0.060           | 1.52              |
| 18 - 8 - 25 BB  | 〃                                 | 21 - 8 - 25 BB  |  | 27              | 59.0          | 45.2        | 155           | 263  | 856  | 1046 | 2.630 | 0.048           | —                 |
| 18 - 12 - 25 BB | 〃                                 | 21 - 12 - 25 BB |  | 27              | 59.0          | 46.2        | 162           | 275  | 861  | 1012 | 2.750 | 0.051           | —                 |
| 18 - 5 - 40 BB  | 〃                                 | 21 - 5 - 40 BB  |  | 27              | 58.0          | 39.3        | 136           | 235  | 773  | 1208 | 2.350 | 0.043           | —                 |
| 18 - 8 - 40 BB  | 〃                                 | 21 - 8 - 40 BB  |  | 27              | 58.0          | 40.4        | 143           | 247  | 785  | 1167 | 2.470 | 0.045           | —                 |
| 18 - 12 - 40 BB | 〃                                 | 21 - 12 - 40 BB |  | 27              | 58.0          | 43.2        | 153           | 264  | 822  | 1090 | 2.640 | 0.048           | —                 |
| 24 - 8 - 25 N   | W/C=55%以下                         | 24 - 8 - 25 N   |  | 30              | 55.0          | 44.7        | 157           | 286  | 840  | 1046 | 2.860 | 0.067           | 1.68              |
| 24 - 12 - 25 N  | 〃                                 | 24 - 12 - 25 N  |  | 30              | 55.0          | 45.7        | 164           | 299  | 845  | 1012 | 2.990 | 0.070           | 1.76              |
| 24 - 8 - 40 N   | 〃                                 | 24 - 8 - 40 N   |  | 30              | 55.0          | 40.1        | 145           | 264  | 773  | 1167 | 2.640 | 0.061           | 1.55              |
| 24 - 12 - 40 N  | 〃                                 | 24 - 12 - 40 N  |  | 30              | 55.0          | 42.8        | 155           | 282  | 808  | 1090 | 2.820 | 0.065           | 1.66              |
| 24 - 8 - 25 BB  | 〃                                 | 24 - 8 - 25 BB  |  | 30              | 55.0          | 44.7        | 155           | 282  | 840  | 1046 | 2.820 | 0.051           | —                 |
| 24 - 12 - 25 BB | 〃                                 | 24 - 12 - 25 BB |  | 30              | 55.0          | 45.7        | 162           | 295  | 845  | 1012 | 2.950 | 0.054           | —                 |
| 24 - 8 - 40 BB  | 〃                                 | 24 - 8 - 40 BB  |  | 30              | 54.0          | 39.9        | 143           | 265  | 768  | 1167 | 2.650 | 0.048           | —                 |
| 24 - 12 - 40 BB | 〃                                 | 24 - 12 - 40 BB |  | 30              | 54.0          | 42.7        | 153           | 284  | 803  | 1090 | 2.840 | 0.051           | —                 |
| 捨 - 8 - 25 N    | C=170kg/m3                        | 捨 - 8 - 25 N    |  | -               | 89.0          | 47.0        | 152           | 170  | 935  | 1062 | 1.700 | 0.039           | 1                 |
| 捨 - 8 - 40 N    | C=170kg/m3                        | 捨 - 8 - 40 N    |  | -               | 82.0          | 40.9        | 140           | 170  | 827  | 1208 | 1.700 | 0.040           | 1                 |
| 捨 - 8 - 25 BB   | C=170kg/m3                        | 捨 - 8 - 25 BB   |  | -               | 85.0          | 46.6        | 145           | 170  | 933  | 1078 | 1.700 | 0.031           | —                 |
| 捨 - 8 - 40 BB   | C=170kg/m3                        | 捨 - 8 - 40 BB   |  | -               | 82.0          | 40.7        | 140           | 170  | 822  | 1208 | 1.700 | 0.032           | —                 |
| 備 考             | セメント水比式 N 低強度 m= -13.6 + 24.4 C/W |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
|                 | 高強度 m= 0 + 0 C/W                  |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
|                 | BB 低強度 m= -15 + 25 C/W            |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
|                 | 高強度 m= 0 + 0 C/W                  |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
|                 | ・空気量:25mm・40mm = 4.5% 80mm = 4.0% |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
| 使用細骨材の粗粒率       |                                   |                 |  |                 |               |             |               |      |      |      |       |                 |                   |
| FM              |                                   |                 |  |                 |               |             | S1            | S2   | S3   | 目標値  |       |                 |                   |
|                 |                                   |                 |  |                 |               |             | 2.80          | 2.80 | 2.80 | 2.8  |       |                 |                   |

# 標準配合表



株式会社 高沢生コン

長野県下伊那郡高森町吉田2283番地

令和 7 年度 (飯田市建築部維持管理課)

| 設 計 配 合                           |                                   | 条件を満たす配合        | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3)                     |      |     |      |      | 塩化物量<br>(kg/m3) | アルカリ<br>総量<br>(kg/m3) |
|-----------------------------------|-----------------------------------|-----------------|-----------------|---------------|-------------|-----------------------------------|------|-----|------|------|-----------------|-----------------------|
| 呼 び 方                             | 指 定 条 件                           | 呼 び 方           |                 |               |             | 水                                 | セメント | 細骨材 | 粗骨材  | 混和剤  |                 |                       |
| 18 - 8 - 25 N                     | W/C=60%以下                         | 21 - 8 - 20 N   | 27.0            | 59.5          | 45.9        | 165                               | 278  | 855 | 1026 | 2.78 | 0.06            | 1.59                  |
| 18 - 12 - 25 N                    | "                                 | 21 - 12 - 20 N  | 27.0            | 59.5          | 47.9        | 172                               | 289  | 878 | 972  | 2.89 | 0.07            | 1.65                  |
| 18 - 5 - 40 N                     | "                                 | 21 - 5 - 40 N   | 27.0            | 59.5          | 40.9        | 149                               | 251  | 788 | 1163 | 2.26 | 0.06            | 1.43                  |
| 18 - 8 - 40 N                     | "                                 | 21 - 8 - 40 N   | 27.0            | 59.5          | 41.9        | 154                               | 259  | 799 | 1133 | 2.59 | 0.06            | 1.48                  |
| 18 - 12 - 40 N                    | "                                 | 21 - 12 - 40 N  | 27.0            | 59.5          | 43.9        | 162                               | 273  | 823 | 1073 | 2.73 | 0.06            | 1.56                  |
| 18 - 8 - 25 BB                    | "                                 | 21 - 8 - 20 BB  | 27.0            | 59.0          | 45.9        | 165                               | 280  | 849 | 1021 | 2.80 | 0.05            | —                     |
| 18 - 12 - 25 BB                   | "                                 | 21 - 12 - 20 BB | 27.0            | 59.0          | 47.9        | 172                               | 292  | 873 | 967  | 2.92 | 0.05            | —                     |
| 18 - 5 - 40 BB                    | "                                 | 21 - 5 - 40 BB  | 27.0            | 59.0          | 40.8        | 149                               | 253  | 783 | 1161 | 2.28 | 0.04            | —                     |
| 18 - 8 - 40 BB                    | "                                 | 21 - 8 - 40 BB  | 27.0            | 59.0          | 41.8        | 154                               | 261  | 794 | 1128 | 2.61 | 0.05            | —                     |
| 18 - 12 - 40 BB                   | "                                 | 21 - 12 - 40 BB | 27.0            | 59.0          | 43.8        | 162                               | 275  | 818 | 1071 | 2.75 | 0.05            | —                     |
| 18 - 5 - 80 BB                    | W/C=60%以下                         | 0 - 0 - 0 0     | 0.0             | 0.0           | 0.0         | 0                                 | 0    | 0   | 0    | 0.00 |                 | 0                     |
|                                   |                                   |                 |                 |               |             | 粗骨材の混合割合 25mm : 40mm : 80mm = : : |      |     |      |      |                 |                       |
| 21 - 5 - 80 BB                    | "                                 | 0 - 0 - 0 0     | 0.0             | 0.0           | 0.0         | 0                                 | 0    | 0   | 0    | 0.00 |                 | 0                     |
|                                   |                                   |                 |                 |               |             | 粗骨材の混合割合 25mm : 40mm : 80mm = : : |      |     |      |      |                 |                       |
| 24 - 8 - 25 N                     | W/C=55%以下                         | 24 - 8 - 20 N   | 30.6            | 55.0          | 45.5        | 165                               | 300  | 839 | 1023 | 3.00 | 0.07            | 1.71                  |
| 24 - 12 - 25 N                    | "                                 | 24 - 12 - 20 N  | 30.6            | 55.0          | 47.5        | 172                               | 313  | 862 | 969  | 3.13 | 0.07            | 1.78                  |
| 24 - 8 - 40 N                     | "                                 | 24 - 8 - 40 N   | 30.6            | 55.0          | 41.0        | 154                               | 280  | 775 | 1138 | 2.80 | 0.06            | 1.6                   |
| 24 - 12 - 40 N                    | "                                 | 24 - 12 - 40 N  | 30.6            | 55.0          | 43.0        | 162                               | 295  | 799 | 1078 | 2.95 | 0.07            | 1.68                  |
| 24 - 8 - 25 BB                    | "                                 | 24 - 8 - 20 BB  | 30.6            | 54.5          | 45.4        | 165                               | 303  | 831 | 1018 | 3.03 | 0.04            | —                     |
| 24 - 12 - 25 BB                   | "                                 | 24 - 12 - 20 BB | 30.6            | 54.5          | 47.4        | 172                               | 316  | 855 | 964  | 3.16 | 0.04            | —                     |
| 24 - 8 - 40 BB                    | "                                 | 24 - 8 - 40 BB  | 30.6            | 54.5          | 40.9        | 154                               | 283  | 770 | 1133 | 2.83 | 0.04            | —                     |
| 24 - 12 - 40 BB                   | "                                 | 24 - 12 - 40 BB | 30.6            | 54.5          | 42.9        | 162                               | 298  | 791 | 1076 | 2.98 | 0.04            | —                     |
| 捨 - 8 - 25 N                      | C=170kg/m3                        | 捨 - 8 - 20 N    | -               | 97.6          | 48.0        | 166                               | 170  | 937 | 1031 | 1.70 | 0.04            | 0.97                  |
| 捨 - 8 - 40 N                      | C=170kg/m3                        | 捨 - 8 - 40 N    | -               | 91.8          | 44.0        | 156                               | 170  | 871 | 1131 | 1.70 | 0.04            | 0.97                  |
| 捨 - 8 - 25 BB                     | C=170kg/m3                        | 捨 - 8 - 20 BB   | -               | 97.6          | 48.0        | 166                               | 170  | 934 | 1029 | 1.70 | 0.03            | —                     |
| 捨 - 8 - 40 BB                     | C=170kg/m3                        | 捨 - 8 - 40 BB   | -               | 91.8          | 44.0        | 156                               | 170  | 868 | 1128 | 1.70 | 0.03            | —                     |
| 備 考                               | セメント水比式 N 低強度 m= -17.6 + 26.6 C/W |                 |                 |               |             |                                   |      |     |      |      |                 |                       |
|                                   | 高強度 m= 0 + 0 C/W                  |                 |                 |               |             |                                   |      |     |      |      |                 |                       |
|                                   | BB 低強度 m= -15.9 + 25.5 C/W        |                 |                 |               |             |                                   |      |     |      |      |                 |                       |
|                                   | 高強度 m= 0 + 0 C/W                  |                 |                 |               |             |                                   |      |     |      |      |                 |                       |
|                                   |                                   |                 |                 |               |             | 使用細骨材の粗粒率                         |      |     |      |      |                 |                       |
|                                   |                                   |                 |                 |               |             | FM                                | S1   | S2  | S3   | 目標値  |                 |                       |
|                                   |                                   |                 |                 |               |             |                                   | 2.65 | -   | -    | 2.65 |                 |                       |
| ・空気量:25mm・40mm = 4.5% 80mm = 4.0% |                                   |                 |                 |               |             |                                   |      |     |      |      |                 |                       |

標準配合表

大鹿レミコン株式会社  
長野県下伊那郡大鹿村大字大河原371番地5

令和 7 年度 (飯田市)

| 設 計 配 合         |                                   | 条件を満たす配合 |              | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物量<br>(kg/m3) | アルカリ<br>総量<br>(kg/m3) |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 呼 び 方           | 指 定 条 件                           | 呼 び 方    |              |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 8 - 25 N   | W/C=60%以下                         | 21       | - 8 - 25 N   | 27.0            | 59.5          | 42.1        | 150           | 252  | 824 | 1142 | 2.520 | 0.090           | 1.63                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 12 - 25 N  | 〃                                 | 21       | - 12 - 25 N  | 27.0            | 59.5          | 43.9        | 159           | 267  | 845 | 1085 | 2.670 | 0.100           | 1.73                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 5 - 40 N   | 〃                                 | 21       | - 5 - 40 N   | 27.0            | 59.5          | 38.3        | 130           | 218  | 783 | 1268 | 2.180 | 0.080           | 1.41                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 8 - 40 N   | 〃                                 | 21       | - 8 - 40 N   | 27.0            | 59.5          | 39.6        | 138           | 232  | 797 | 1222 | 2.320 | 0.080           | 1.5                   |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 12 - 40 N  | 〃                                 | 21       | - 12 - 40 N  | 27.0            | 59.5          | 41.3        | 147           | 247  | 813 | 1167 | 2.470 | 0.090           | 1.6                   |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 8 - 25 BB  | 〃                                 | 21       | - 8 - 25 BB  | 27.0            | 59.5          | 42.1        | 149           | 250  | 824 | 1140 | 2.500 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 12 - 25 BB | 〃                                 | 21       | - 12 - 25 BB | 27.0            | 59.5          | 43.9        | 158           | 266  | 840 | 1083 | 2.660 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 5 - 40 BB  | 〃                                 | 21       | - 5 - 40 BB  | 27.0            | 58.0          | 35.3        | 130           | 224  | 716 | 1322 | 2.240 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 8 - 40 BB  | 〃                                 | 21       | - 8 - 40 BB  | 27.0            | 58.0          | 36.6        | 137           | 236  | 732 | 1275 | 2.360 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 - 12 - 40 BB | 〃                                 | 21       | - 12 - 40 BB | 27.0            | 58.0          | 38.3        | 147           | 253  | 751 | 1216 | 2.530 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 8 - 25 N   | W/C=55%以下                         | 24       | - 8 - 25 N   | 30.6            | 55.0          | 41.2        | 150           | 273  | 799 | 1151 | 2.730 | 0.090           | 1.77                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 12 - 25 N  | 〃                                 | 24       | - 12 - 25 N  | 30.6            | 55.0          | 43.0        | 159           | 289  | 818 | 1093 | 2.890 | 0.100           | 1.87                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 8 - 40 N   | 〃                                 | 24       | - 8 - 40 N   | 30.6            | 55.0          | 38.7        | 138           | 251  | 772 | 1230 | 2.510 | 0.090           | 1.62                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 12 - 40 N  | 〃                                 | 24       | - 12 - 40 N  | 30.6            | 55.0          | 40.4        | 148           | 269  | 788 | 1170 | 2.690 | 0.100           | 1.74                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 8 - 25 BB  | 〃                                 | 24       | - 8 - 25 BB  | 30.6            | 55.0          | 41.2        | 149           | 271  | 797 | 1148 | 2.710 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 12 - 25 BB | 〃                                 | 24       | - 12 - 25 BB | 30.6            | 55.0          | 43.0        | 158           | 287  | 815 | 1091 | 2.870 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 8 - 40 BB  | 〃                                 | 24       | - 8 - 40 BB  | 30.6            | 53.5          | 35.7        | 137           | 256  | 707 | 1284 | 2.560 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 - 12 - 40 BB | 〃                                 | 24       | - 12 - 40 BB | 30.6            | 53.5          | 37.4        | 147           | 275  | 726 | 1222 | 2.750 | 0.030           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 捨 - 8 - 25 N    | C=170kg/m3                        | 捨        | - 8 - 25 N   | -               | 80.0          | 41.5        | 146           | 182  | 842 | 1194 | 1.820 | 0.050           | 1.18                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 捨 - 8 - 40 N    | C=170kg/m3                        | 捨        | - 8 - 40 N   | -               | 80.0          | 38.0        | 137           | 171  | 783 | 1290 | 1.710 | 0.050           | 1.11                  |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 捨 - 8 - 25 BB   | C=170kg/m3                        | 捨        | - 8 - 25 BB  | -               | 80.0          | 41.5        | 146           | 182  | 842 | 1194 | 1.820 | 0.040           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 捨 - 8 - 40 BB   | C=170kg/m3                        | 捨        | - 8 - 40 BB  | -               | 80.0          | 38.0        | 137           | 171  | 783 | 1290 | 1.710 | 0.040           | —                     |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 備 考             | セメント水比式                           |          |              |                 |               |             |               |      |     |      |       |                 |                       | N 25mm m= -19.2 + 27.5 C/W |  |  |  |  | 使用細骨材の粗粒率 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | 40mm m= -19.2 + 27.5 C/W          |          |              |                 |               |             |               |      |     |      |       |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | BB 25mm m= -19.7 + 27.8 C/W       |          |              |                 |               |             |               |      |     |      |       |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | 40mm m= -21 + 27.8 C/W            |          |              |                 |               |             |               |      |     |      |       |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 | ・空気量:25mm・40mm = 4.5% 80mm = 4.0% |          |              |                 |               |             |               |      |     |      |       |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                 |                                   |          |              |                 |               |             |               |      |     |      |       |                 |                       |                            |  |  |  |  |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

標準配合表

阿南生コン株式会社南宮工場



長野県下伊那郡阿南町東條1550-20

令和 7 年度 (飯田市)

| 設 計 配 合                           |                                                                                                                                                     | 条件を満たす配合        |    | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物量<br>(kg/m3) | アルカリ総量<br>(kg/m3) |    |    |    |    |     |      |   |   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----|-----------------|---------------|-------------|---------------|------|-----|------|-------|-----------------|-------------------|----|----|----|----|-----|------|---|---|
| 呼 び 方                             | 指 定 条 件                                                                                                                                             | 呼 び 方           |    |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                 |                   |    |    |    |    |     |      |   |   |
| 18 - 8 - 25 N                     | W/C=60%以下                                                                                                                                           | 21 - 8 - 25 N   |    | 26.4            | 59.0          | 40.8        | 150           | 255  | 788 | 1150 | 2.550 | 0.070           | 1.62              |    |    |    |    |     |      |   |   |
| 18 - 12 - 25 N                    | 〃                                                                                                                                                   | 21 - 12 - 25 N  |    | 26.4            | 59.0          | 41.8        | 159           | 270  | 793 | 1107 | 2.700 | 0.070           | 1.72              |    |    |    |    |     |      |   |   |
| 18 - 5 - 40 N                     | 〃                                                                                                                                                   | 21 - 5 - 40 N   |    | 26.4            | 59.0          | 36.3        | 134           | 228  | 724 | 1279 | 2.280 | 0.060           | 1.45              |    |    |    |    |     |      |   |   |
| 18 - 8 - 40 N                     | 〃                                                                                                                                                   | 21 - 8 - 40 N   |    | 26.4            | 59.0          | 37.3        | 139           | 236  | 737 | 1247 | 2.360 | 0.060           | 1.5               |    |    |    |    |     |      |   |   |
| 18 - 12 - 40 N                    | 〃                                                                                                                                                   | 21 - 12 - 40 N  |    | 26.4            | 59.0          | 38.8        | 149           | 253  | 751 | 1190 | 2.530 | 0.070           | 1.61              |    |    |    |    |     |      |   |   |
| 18 - 8 - 25 BB                    | 〃                                                                                                                                                   | 21 - 8 - 25 BB  |    | 26.4            | 59.0          | 40.8        | 146           | 248  | 790 | 1155 | 2.480 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 18 - 12 - 25 BB                   | 〃                                                                                                                                                   | 21 - 12 - 25 BB |    | 26.4            | 59.0          | 41.8        | 155           | 263  | 796 | 1113 | 2.630 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 18 - 5 - 40 BB                    | 〃                                                                                                                                                   | 21 - 5 - 40 BB  |    | 26.4            | 59.0          | 36.3        | 130           | 221  | 729 | 1285 | 2.210 | 0.040           | —                 |    |    |    |    |     |      |   |   |
| 18 - 8 - 40 BB                    | 〃                                                                                                                                                   | 21 - 8 - 40 BB  |    | 26.4            | 59.0          | 37.3        | 135           | 229  | 740 | 1252 | 2.290 | 0.040           | —                 |    |    |    |    |     |      |   |   |
| 18 - 12 - 40 BB                   | 〃                                                                                                                                                   | 21 - 12 - 40 BB |    | 26.4            | 59.0          | 38.8        | 145           | 246  | 756 | 1197 | 2.460 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 24 - 8 - 25 N                     | W/C=55%以下                                                                                                                                           | 24 - 8 - 25 N   |    | 29.4            | 55.0          | 40.0        | 150           | 273  | 766 | 1155 | 2.730 | 0.080           | 1.74              |    |    |    |    |     |      |   |   |
| 24 - 12 - 25 N                    | 〃                                                                                                                                                   | 24 - 12 - 25 N  |    | 29.4            | 55.0          | 41.0        | 159           | 289  | 769 | 1115 | 2.890 | 0.080           | 1.84              |    |    |    |    |     |      |   |   |
| 24 - 8 - 40 N                     | 〃                                                                                                                                                   | 24 - 8 - 40 N   |    | 29.4            | 55.0          | 36.5        | 139           | 253  | 716 | 1252 | 2.530 | 0.070           | 1.61              |    |    |    |    |     |      |   |   |
| 24 - 12 - 40 N                    | 〃                                                                                                                                                   | 24 - 12 - 40 N  |    | 29.4            | 55.0          | 38.0        | 149           | 271  | 729 | 1199 | 2.710 | 0.070           | 1.72              |    |    |    |    |     |      |   |   |
| 24 - 8 - 25 BB                    | 〃                                                                                                                                                   | 24 - 8 - 25 BB  |    | 29.4            | 55.0          | 40.0        | 146           | 266  | 769 | 1161 | 2.660 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 24 - 12 - 25 BB                   | 〃                                                                                                                                                   | 24 - 12 - 25 BB |    | 29.4            | 55.0          | 41.0        | 155           | 283  | 774 | 1118 | 2.830 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 24 - 8 - 40 BB                    | 〃                                                                                                                                                   | 24 - 8 - 40 BB  |    | 29.4            | 55.0          | 36.5        | 135           | 246  | 721 | 1258 | 2.460 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 24 - 12 - 40 BB                   | 〃                                                                                                                                                   | 24 - 12 - 40 BB |    | 29.4            | 55.0          | 38.0        | 145           | 264  | 735 | 1202 | 2.640 | 0.050           | —                 |    |    |    |    |     |      |   |   |
| 捨 - 8 - 25 N                      | C=170kg/m3                                                                                                                                          | 捨 - 8 - 25 N    |    | —               | 90.0          | 46.0        | 157           | 175  | 910 | 1075 | 1.750 | 0.030           | 1.11              |    |    |    |    |     |      |   |   |
| 捨 - 8 - 40 N                      | C=170kg/m3                                                                                                                                          | 捨 - 8 - 40 N    |    | —               | 80.0          | 41.5        | 143           | 179  | 836 | 1185 | 1.790 | 0.030           | 1.14              |    |    |    |    |     |      |   |   |
| 捨 - 8 - 25 BB                     | C=170kg/m3                                                                                                                                          | 捨 - 8 - 25 BB   |    | —               | 90.0          | 46.0        | 153           | 170  | 915 | 1080 | 1.700 | 0.030           | —                 |    |    |    |    |     |      |   |   |
| 捨 - 8 - 40 BB                     | C=170kg/m3                                                                                                                                          | 捨 - 8 - 40 BB   |    | —               | 80.0          | 41.5        | 139           | 174  | 838 | 1190 | 1.740 | 0.030           | —                 |    |    |    |    |     |      |   |   |
| 備 考                               | セメント水比式 N 低強度 m= -15.9 + 25.1 C/W<br>高強度 m= -2 + 3.14 C/W<br>BB 低強度 m= -15.9 + 25.1 C/W<br>高強度 m= -2 + 3.14 C/W                                     |                 |    |                 |               |             |               |      |     |      |       |                 |                   |    |    |    |    |     |      |   |   |
|                                   | 使用細骨材の粗粒率                                                                                                                                           |                 |    |                 |               |             |               |      |     |      |       |                 |                   |    |    |    |    |     |      |   |   |
|                                   | <table><tr><td rowspan="2">FM</td><td>S1</td><td>S2</td><td>S3</td><td>目標値</td></tr><tr><td>2.80</td><td>—</td><td>—</td><td>2.90</td></tr></table> |                 |    |                 |               |             |               |      |     |      |       |                 |                   | FM | S1 | S2 | S3 | 目標値 | 2.80 | — | — |
| FM                                | S1                                                                                                                                                  | S2              | S3 | 目標値             |               |             |               |      |     |      |       |                 |                   |    |    |    |    |     |      |   |   |
|                                   | 2.80                                                                                                                                                | —               | —  | 2.90            |               |             |               |      |     |      |       |                 |                   |    |    |    |    |     |      |   |   |
| ・空気量:25mm・40mm = 4.5% 80mm = 4.0% |                                                                                                                                                     |                 |    |                 |               |             |               |      |     |      |       |                 |                   |    |    |    |    |     |      |   |   |

標準配合表

阿南生コン株式会社本社新野工場  
長野県下伊那郡阿南町新野3528番地1

令和 7 年度 (飯田市)

| 設 計 配 合               |                            | 条件を満たす配合        | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物<br>量<br>(kg/m3) | アルカリ<br>総量<br>(kg/m3) |    |      |
|-----------------------|----------------------------|-----------------|-----------------|---------------|-------------|---------------|------|-----|------|-------|---------------------|-----------------------|----|------|
| 呼 び 方                 | 指 定 条 件                    | 呼 び 方           |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                     |                       |    |      |
| 18 - 8 - 25 N         | W/C=60%以下                  | 21 - 8 - 25 N   | 26.4            | 59.0          | 40.8        | 150           | 255  | 788 | 1150 | 2.550 | 0.060               | 1.62                  |    |      |
| 18 - 12 - 25 N        | 〃                          | 21 - 12 - 25 N  | 26.4            | 59.0          | 41.8        | 159           | 270  | 793 | 1107 | 2.700 | 0.060               | 1.72                  |    |      |
| 18 - 5 - 40 N         | 〃                          | 21 - 5 - 40 N   | 26.4            | 59.0          | 36.3        | 134           | 228  | 724 | 1279 | 2.280 | 0.050               | 1.45                  |    |      |
| 18 - 8 - 40 N         | 〃                          | 21 - 8 - 40 N   | 26.4            | 59.0          | 37.3        | 139           | 236  | 737 | 1247 | 2.360 | 0.060               | 1.50                  |    |      |
| 18 - 12 - 40 N        | 〃                          | 21 - 12 - 40 N  | 26.4            | 59.0          | 38.8        | 149           | 253  | 751 | 1190 | 2.530 | 0.060               | 1.61                  |    |      |
| 18 - 8 - 25 BB        | 〃                          | 21 - 8 - 25 BB  | 26.4            | 59.0          | 40.8        | 146           | 248  | 793 | 1153 | 2.480 | 0.050               | —                     |    |      |
| 18 - 12 - 25 BB       | 〃                          | 21 - 12 - 25 BB | 26.4            | 59.0          | 41.8        | 155           | 263  | 796 | 1113 | 2.630 | 0.050               | —                     |    |      |
| 18 - 5 - 40 BB        | 〃                          | 21 - 5 - 40 BB  | 26.4            | 59.0          | 36.3        | 130           | 221  | 729 | 1284 | 2.210 | 0.040               | —                     |    |      |
| 18 - 8 - 40 BB        | 〃                          | 21 - 8 - 40 BB  | 26.4            | 59.0          | 37.3        | 135           | 229  | 740 | 1252 | 2.290 | 0.040               | —                     |    |      |
| 18 - 12 - 40 BB       | 〃                          | 21 - 12 - 40 BB | 26.4            | 59.0          | 38.8        | 145           | 246  | 756 | 1196 | 2.460 | 0.050               | —                     |    |      |
| 24 - 8 - 25 N         | W/C=55%以下                  | 24 - 8 - 25 N   | 29.4            | 55.0          | 40.0        | 150           | 273  | 767 | 1156 | 2.730 | 0.060               | 1.73                  |    |      |
| 24 - 12 - 25 N        | 〃                          | 24 - 12 - 25 N  | 29.4            | 55.0          | 41.0        | 159           | 290  | 772 | 1113 | 2.900 | 0.070               | 1.84                  |    |      |
| 24 - 8 - 40 N         | 〃                          | 24 - 8 - 40 N   | 29.4            | 55.0          | 36.5        | 139           | 253  | 716 | 1252 | 2.530 | 0.060               | 1.61                  |    |      |
| 24 - 12 - 40 N        | 〃                          | 24 - 12 - 40 N  | 29.4            | 55.0          | 38.0        | 149           | 271  | 729 | 1198 | 2.710 | 0.060               | 1.72                  |    |      |
| 24 - 8 - 25 BB        | 〃                          | 24 - 8 - 25 BB  | 29.4            | 55.0          | 40.0        | 146           | 266  | 769 | 1161 | 2.660 | 0.050               | —                     |    |      |
| 24 - 12 - 25 BB       | 〃                          | 24 - 12 - 25 BB | 29.4            | 55.0          | 41.0        | 155           | 282  | 775 | 1118 | 2.820 | 0.050               | —                     |    |      |
| 24 - 8 - 40 BB        | 〃                          | 24 - 8 - 40 BB  | 29.4            | 55.0          | 36.5        | 135           | 246  | 721 | 1257 | 2.460 | 0.050               | —                     |    |      |
| 24 - 12 - 40 BB       | 〃                          | 24 - 12 - 40 BB | 29.4            | 55.0          | 38.0        | 145           | 264  | 735 | 1201 | 2.640 | 0.050               | —                     |    |      |
| 捨 - 8 - 25 N          | C=170kg/m3                 | 捨 - 8 - 25 N    | —               | 92.0          | 45.7        | 157           | 171  | 908 | 1081 | 1.710 | 0.040               | 1.09                  |    |      |
| 捨 - 8 - 40 N          | C=170kg/m3                 | 捨 - 8 - 40 N    | —               | 82.0          | 41.2        | 142           | 172  | 833 | 1196 | 1.720 | 0.040               | 1.09                  |    |      |
| 捨 - 8 - 25 BB         | C=170kg/m3                 | 捨 - 8 - 25 BB   | —               | 92.0          | 45.7        | 155           | 171  | 908 | 1081 | 1.710 | 0.030               | —                     |    |      |
| 捨 - 8 - 40 BB         | C=170kg/m3                 | 捨 - 8 - 40 BB   | —               | 82.0          | 41.2        | 140           | 171  | 836 | 1198 | 1.710 | 0.030               | —                     |    |      |
| 備 考                   | セメント水比式                    |                 |                 | 使用細骨材の粗粒率     |             |               |      |     |      |       |                     |                       |    |      |
|                       | N 低強度 m= -15.9 + 25.1 C/W  |                 |                 |               |             |               |      |     |      |       |                     |                       |    |      |
|                       | 高強度 m= + C/W               |                 |                 |               |             |               |      |     |      |       |                     |                       |    |      |
|                       | BB 低強度 m= -15.9 + 25.1 C/W |                 |                 |               |             |               |      |     |      |       |                     |                       |    |      |
|                       | 高強度 m= + C/W               |                 |                 | FM            |             |               |      |     |      |       |                     |                       |    |      |
| ・空気量:25mm・40mm = 4.5% |                            |                 | S1              |               |             |               |      |     |      |       |                     | S2                    | S3 | 目標値  |
|                       |                            |                 | 2.80            |               |             |               |      |     |      |       |                     | —                     | —  | 2.80 |

標準配合表



遠山生コンプラント協同組合  
長野県飯田市南信濃本沢302-ハ-2

令和 7 年度 (飯田市)

| 設 計 配 合         |                                   | 条件を満たす配合        | 配合強度<br>(N/mm2) | 水セメント比<br>(%) | 細骨材率<br>(%) | 単 位 量 (kg/m3) |      |     |      |       | 塩化物量<br>(kg/m3) | アルカリ総量<br>(kg/m3) |
|-----------------|-----------------------------------|-----------------|-----------------|---------------|-------------|---------------|------|-----|------|-------|-----------------|-------------------|
| 呼 び 方           | 指 定 条 件                           | 呼 び 方           |                 |               |             | 水             | セメント | 細骨材 | 粗骨材  | 混和剤   |                 |                   |
| 18 - 8 - 25 N   | W/C=60%以下                         | 21 - 8 - 25 N   | 26.4            | 59.5          | 41.9        | 151           | 254  | 809 | 1126 | 2.642 | 0.07            | 1.61              |
| 18 - 12 - 25 N  | 〃                                 | 21 - 12 - 25 N  | 26.4            | 59.5          | 43.9        | 160           | 269  | 830 | 1067 | 2.798 | 0.08            | 1.71              |
| 18 - 5 - 40 N   | 〃                                 | 21 - 5 - 40 N   | 26.4            | 59.5          | 35.4        | 133           | 224  | 711 | 1300 | 2.330 | 0.06            | 1.42              |
| 18 - 8 - 40 N   | 〃                                 | 21 - 8 - 40 N   | 26.4            | 59.5          | 37.9        | 140           | 236  | 748 | 1233 | 2.454 | 0.07            | 1.50              |
| 18 - 12 - 40 N  | 〃                                 | 21 - 12 - 40 N  | 26.4            | 59.5          | 39.4        | 147           | 247  | 766 | 1185 | 2.569 | 0.07            | 1.57              |
| 18 - 8 - 25 BB  | 〃                                 | 21 - 8 - 25 BB  | 26.4            | 59.5          | 41.9        | 147           | 247  | 812 | 1131 | 2.569 | 0.04            | —                 |
| 18 - 12 - 25 BB | 〃                                 | 21 - 12 - 25 BB | 26.4            | 59.5          | 43.9        | 155           | 261  | 836 | 1075 | 2.714 | 0.06            | —                 |
| 18 - 5 - 40 BB  | 〃                                 | 21 - 5 - 40 BB  | 26.4            | 59.5          | 35.4        | 129           | 217  | 713 | 1306 | 2.257 | 0.04            | —                 |
| 18 - 8 - 40 BB  | 〃                                 | 21 - 8 - 40 BB  | 26.4            | 59.5          | 37.9        | 136           | 229  | 751 | 1239 | 2.382 | 0.04            | —                 |
| 18 - 12 - 40 BB | 〃                                 | 21 - 12 - 40 BB | 26.4            | 59.5          | 39.4        | 143           | 241  | 769 | 1190 | 2.506 | 0.04            | —                 |
| 24 - 8 - 25 N   | W/C=55%以下                         | 24 - 8 - 25 N   | 30.3            | 54.5          | 40.9        | 151           | 277  | 782 | 1134 | 2.881 | 0.08            | 1.76              |
| 24 - 12 - 25 N  | 〃                                 | 24 - 12 - 25 N  | 30.3            | 54.5          | 42.9        | 160           | 294  | 804 | 1072 | 3.058 | 0.08            | 1.87              |
| 24 - 8 - 40 N   | 〃                                 | 24 - 8 - 40 N   | 30.3            | 54.5          | 36.9        | 140           | 257  | 721 | 1241 | 2.673 | 0.07            | 1.63              |
| 24 - 12 - 40 N  | 〃                                 | 24 - 12 - 40 N  | 30.3            | 54.5          | 38.4        | 147           | 270  | 740 | 1193 | 2.808 | 0.08            | 1.71              |
| 24 - 8 - 25 BB  | 〃                                 | 24 - 8 - 25 BB  | 30.3            | 54.5          | 40.9        | 147           | 270  | 785 | 1139 | 2.808 | 0.05            | —                 |
| 24 - 12 - 25 BB | 〃                                 | 24 - 12 - 25 BB | 30.3            | 54.5          | 42.9        | 155           | 285  | 809 | 1080 | 2.964 | 0.05            | —                 |
| 24 - 8 - 40 BB  | 〃                                 | 24 - 8 - 40 BB  | 30.3            | 54.5          | 36.9        | 136           | 250  | 724 | 1247 | 2.600 | 0.04            | —                 |
| 24 - 12 - 40 BB | 〃                                 | 24 - 12 - 40 BB | 30.3            | 54.5          | 38.4        | 143           | 263  | 743 | 1198 | 2.735 | 0.05            | —                 |
| 捨 - 8 - 25 N    | C=170kg/m3                        | 捨 - 8 - 25 N    | —               | 92.9          | 48.0        | 160           | 173  | 947 | 1032 | 1.730 | 0.05            | 1.10              |
| 捨 - 8 - 40 N    | C=170kg/m3                        | 捨 - 8 - 40 N    | —               | 84.7          | 43.0        | 146           | 173  | 865 | 1153 | 1.730 | 0.05            | 1.10              |
| 捨 - 8 - 25 BB   | C=170kg/m3                        | 捨 - 8 - 25 BB   | —               | 92.9          | 48.0        | 160           | 173  | 945 | 1030 | 1.730 | 0.04            | —                 |
| 捨 - 8 - 40 BB   | C=170kg/m3                        | 捨 - 8 - 40 BB   | —               | 84.7          | 43.0        | 146           | 173  | 862 | 1150 | 1.730 | 0.04            | —                 |
| 備 考             | セメント水比式 N 低強度 m= -15.2 + 24.8 C/W |                 |                 |               |             |               |      |     |      |       |                 |                   |
|                 | BB 低強度 m= -15.2 + 24.8 C/W        |                 |                 |               |             |               |      |     |      |       |                 |                   |
|                 | ・空気量:25mm・40mm = 4.5%             |                 |                 |               |             |               |      |     |      |       |                 |                   |
|                 | 捨コンクリート、ポンプ打設の場合はフローリックSVを使用      |                 |                 |               |             |               |      |     |      |       |                 |                   |
|                 |                                   |                 |                 |               |             | FM            | S1   | S2  | S3   | 目標値   |                 |                   |
|                 |                                   |                 |                 |               |             |               | 2.80 | —   | —    | 2.80  |                 |                   |

## アスファルト合材一括承認条件

- 1 製造プラントは、別紙のとおり。
- 2 承認は新材のみとする。
- 3 骨材産地、示方配合等に変更があるときは、変更申請のこと。
- 4 粗粒度アスコン(20)、細粒度アスコン(13)は、マーシャル試験突固回数50回試験値であるので、N6（旧C）交通以上は別途承認願を提出のこと。
- 5 承認合材は、施工計画書の主要材料表に製造プラント名を記入すること。〈土木工事現場必携(R6) 共5-15参照〉

## アスファルト合材承認工場及び使用材料一覧表(令和7年度)

| 承認<br>番号 |                      | 所 在 地<br>電 話 番 号                     | 合 材 の 種 類    | プラント能力    | 使 用 材 料         | 生 産 者      | 産 地    |
|----------|----------------------|--------------------------------------|--------------|-----------|-----------------|------------|--------|
| 10       | 飯田アスコン(株)            | 飯田市久米2217-4<br>0265-25-4285          | 粗粒度アスコン(20)  | 96～120t/h | ストレート<br>アスファルト | コスモ石油(株)   |        |
|          |                      |                                      | 細粒度アスコン(13)  |           | 石粉              | 近江鉱業(株)    | 滋賀県    |
|          |                      |                                      | 密粒度アスコン(20F) |           | 碎石              | 大鹿碎石(株)    | 大鹿村    |
|          |                      |                                      | 密粒度アスコン(13F) |           | 砂               | 南山興業(株)    | 下條村    |
| 11       | 南信共同アスコン(株)          | 下伊那郡松川町<br>上片桐4784-7<br>0265-36-4050 | 粗粒度アスコン(20)  | 96～120t/h | ストレート<br>アスファルト | コスモ石油(株)   |        |
|          |                      |                                      | 細粒度アスコン(13)  |           | 石粉              | 清水工業(株)    | 岐阜県    |
|          |                      |                                      | 密粒度アスコン(20F) |           | 碎石<br>スクリーニングス  | 大鹿碎石(株)    | 大鹿村    |
|          |                      |                                      | 密粒度アスコン(13F) |           | 砂               | 信濃建材(株)    | 大鹿村    |
| 12       | 龍峡アスコン(株)            | 飯田市嶋148-1<br>0265-26-9001            | 粗粒度アスコン(20)  | 70t/h     | ストレート<br>アスファルト | 出光興産(株)    | 三重県    |
|          |                      |                                      | 細粒度アスコン(13)  |           | 石粉              | 太平洋セメント(株) | 愛知県    |
|          |                      |                                      | 密粒度アスコン(20F) |           | 碎石              | 大鹿碎石(株)    | 大鹿村    |
|          |                      |                                      | 密粒度アスコン(13F) |           | 粗砂              | 南山興業(株)    | 下條村    |
|          |                      |                                      |              |           | 細砂              | 吉川工業(株)    | 飯田市嶋   |
| 13       | 小木曾建設(株)<br>アスコンプラント | 飯田市座光寺6663-5<br>0265-48-5031         | 粗粒度アスコン(20)  | 74t/h     | ストレート<br>アスファルト | 昭和瀝青工業(株)  | 新潟県    |
|          |                      |                                      | 細粒度アスコン(13)  |           | 石粉              | 清水工業(株)    | 岐阜県    |
|          |                      |                                      | 密粒度アスコン(20F) |           | 碎石5・7号          | 大鹿碎石(株)    | 大鹿村    |
|          |                      |                                      | 密粒度アスコン(13F) |           | 碎石6号            | 東亜興産(株)    | 飯田市南信濃 |
|          |                      |                                      |              |           | 砂               | 阿南建材(株)    | 阿南町    |

## アスファルト合材承認工場及び使用材料一覧表(令和7年度)

| 種 類                                                           | 試験項目                   | 規格        | 飯田アスコン(株) | 南信共同アスコン(株) | 龍峡アスコン(株) | 小木曾建設(株)<br>アスコンプラント |
|---------------------------------------------------------------|------------------------|-----------|-----------|-------------|-----------|----------------------|
| スト<br>レ<br>ー<br>ト<br>ア<br>ス<br>フ<br>ア<br>ル<br>ト<br><br>80～100 | 針入度 (25℃) 1/10      mm | 80～100    | 88        | 88          | 84        | 85                   |
|                                                               | 軟化点      °C            | 42.0～50.0 | 46.5      | 46.5        | 45.0      | 46.0                 |
|                                                               | 伸度 (15℃)      cm       | 100以上     | >130      | >130        | 100+      | 100+                 |
|                                                               | トルエン可溶分      %         | 99.0以上    | 99.94     | 99.94       | 99.88     | 99.18                |
|                                                               | 引火点      °C            | 260以上     | 358       | 358         | 366       | 362                  |
|                                                               | 薄膜加熱質量変化率      %       | 0.6以下     | -0.03     | -0.03       | -0.01     | 0.10                 |
|                                                               | 薄膜加熱針入度残留率      %      | 50以上      | 62.4      | 62.4        | 60.7      | 61.2                 |
|                                                               | 蒸発後の針入度比      %        | 110以下     | 98        | 98          | 97        | 86                   |
|                                                               | 密度 (15℃)      g/cm3    | 1.000以上   | 1.035     | 1.035       | 1.037     | 1.027                |

|                |                |        |       |       |       |       |
|----------------|----------------|--------|-------|-------|-------|-------|
| 石<br><br><br>粉 | 比重             | 2.6以上  | 2.730 | 2.720 | 2.680 | 2.720 |
|                | 通過率      0.6   | 100    | 100.0 | 100.0 | 100.0 | 100.0 |
|                | 通過率      0.3   |        | 99.9  | 99.8  | 99.9  | 99.9  |
|                | 通過率      0.15  | 90～100 | 94.7  | 98.2  | 94.7  | 98.3  |
|                | 通過率      0.075 | 70～100 | 78.8  | 87.0  | 79.5  | 87.3  |
|                | 通過率      0.045 |        |       |       |       | -     |

# アスファルト合材承認工場 材料試験結果一覧表(令和7年度)

| 種類                       | 項 目       | 規 格<br>(アスファルト<br>舗装要綱) | 飯田<br>アスコン(株) | 南信共同<br>アスコン(株) | 龍峽<br>アスコン(株) | 小木曾建設(株)<br>アスコンプラント |
|--------------------------|-----------|-------------------------|---------------|-----------------|---------------|----------------------|
| 5<br>号<br>砕<br>石<br>S-20 | 表乾比重      | 2.45以上                  | 2.757         | 2.715           | 2.757         | 2.715                |
|                          | 吸水量       | 3.0%以下                  | 0.88          | 0.88            | 0.88          | 0.88                 |
|                          | すりへり減量    | 30%以下                   | 11.7          | 11.7            | 11.7          | 11.7                 |
|                          | 安定性       | 12%以下                   | 2.4           | 2.4             | 2.4           | 2.4                  |
|                          | 通過率 26.5  | 100                     | 100.0         | 100.0           | 100.0         | 100.0                |
|                          | 通過率 19.0  | 85~100                  | 92.2          | 92.2            | 92.2          | 92.2                 |
|                          | 通過率 16.0  |                         | -             | -               | -             | 14.1                 |
|                          | 通過率 13.2  | 0~15                    | 3.5           | 3.5             | 3.5           | 3.5                  |
|                          | 通過率 9.5   |                         | -             | -               | -             | 0.5                  |
|                          | 通過率 4.75  |                         | 0.2           | 0.2             | 0.2           | 0.2                  |
| 6<br>号<br>砕<br>石<br>S-13 | 表乾比重      | 2.45以上                  | 2.757         | 2.712           | 2.757         | 2.670                |
|                          | 吸水量       | 3.0%以下                  | 0.94          | 0.94            | 0.94          | 0.80                 |
|                          | すりへり減量    | 30%以下                   | 12.2          | 12.2            | 12.2          | 14.1                 |
|                          | 安定性       | 12%以下                   | 2.6           | 2.6             | 2.6           | 1.9                  |
|                          | 通過率 19.0  | 100                     | 100.0         | 100.0           | 100.0         | 100.0                |
|                          | 通過率 16.0  |                         | -             | -               | -             | -                    |
|                          | 通過率 13.2  | 85~100                  | 94.7          | 94.7            | 94.7          | 100.0                |
|                          | 通過率 9.5   |                         | -             | -               | -             | 64.4                 |
|                          | 通過率 4.75  | 0~15                    | 2.8           | 2.8             | 2.8           | 12.9                 |
|                          | 通過率 2.36  |                         | 0.1           | 0.1             | 0.1           | 4.4                  |
| 7<br>号<br>砕<br>石<br>S-5  | 表乾比重      | 2.45以上                  | 2.756         | 2.709           | 2.756         | 2.709                |
|                          | 吸水量       | 3.0%以下                  | 1.01          | 1.01            | 1.01          | 1.01                 |
|                          | すりへり減量    | 30%以下                   | 12.9          | 12.9            | 12.9          | 12.9                 |
|                          | 安定性       | 12%以下                   | 2.5           | 2.5             | 2.5           | 2.5                  |
|                          | 通過率 13.2  | 100                     | 100.0         | 100.0           | 100.0         | 100.0                |
|                          | 通過率 9.5   |                         | -             | -               | -             | 100.0                |
|                          | 通過率 4.75  | 85~100                  | 93.7          | 93.7            | 93.7          | 93.7                 |
|                          | 通過率 2.36  | 0~25                    | 8.1           | 8.1             | 8.1           | 8.1                  |
|                          | 通過率 1.18  | 0~5                     | -             | -               | -             | 0.7                  |
|                          | 通過率 0.6   |                         | 0.3           | 0.3             | 0.3           | 0.3                  |
| 細砂<br>(1)                | 表乾比重      | 2.45以上                  | 2.692         | 2.701           | 2.649         | 2.610                |
|                          | 吸水量       | 3.0%以下                  | 1.10          | 1.40            | 1.02          | 1.37                 |
|                          | 安定性       | 12%以下                   | -             | 2.20            | -             | 1.30                 |
|                          | 通過率 13.2  |                         | -             | -               | -             | -                    |
|                          | 通過率 4.75  | 100                     | 100.0         | 100.0           | 100.0         | 99.0                 |
|                          | 通過率 2.36  | 85~100                  | 91.2          | 96.5            | 89.9          | 88.0                 |
|                          | 通過率 0.60  | 25~55                   | 44.6          | 45.6            | 42.0          | 46.0                 |
|                          | 通過率 0.30  | 15~40                   | 20.3          | 28.1            | 13.8          | 20.0                 |
|                          | 通過率 0.15  | 7~28                    | 4.8           | 10.9            | 4.8           | 5.0                  |
|                          | 通過率 0.075 | 0~20                    | 0.6           | 2.4             | 0.4           | -                    |
| 粗砂<br>(2)                | 表乾比重      | 2.45以上                  | -             | -               | 2.657         | -                    |
|                          | 吸水量       | 3.0%以下                  | -             | -               | 1.24          | -                    |
|                          | 安定性       | 12%以下                   | -             | -               | -             | -                    |
|                          | 通過率 13.2  |                         | -             | -               | -             | -                    |
|                          | 通過率 4.75  |                         | -             | -               | 100.0         | -                    |
|                          | 通過率 2.36  |                         | -             | -               | 89.7          | -                    |
|                          | 通過率 0.60  |                         | -             | -               | 46.4          | -                    |
|                          | 通過率 0.30  |                         | -             | -               | 20.1          | -                    |
|                          | 通過率 0.15  |                         | -             | -               | 8.3           | -                    |
|                          | 通過率 0.075 |                         | -             | -               | 1.6           | -                    |

配合設計結果総括表【新材】 (令和7年度)

| プラント名                    | 合材種類              | 決定配合合成粒度     |                |                |               |               |               |               |              |             |                | 実質As量<br>指定As量 |
|--------------------------|-------------------|--------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|-------------|----------------|----------------|
|                          |                   | 26.5         | 19             | 13.2           | 4.75          | 2.36          | 0.6           | 0.3           | 0.15         | 0.075       |                |                |
|                          |                   | 実測<br>規格     | 実測<br>規格       | 実測<br>規格       | 実測<br>規格      | 実測<br>規格      | 実測<br>規格      | 実測<br>規格      | 実測<br>規格     | 実測<br>規格    |                |                |
| 飯田<br>アスコン(株)            | ①粗粒度<br>アスコン(20)  | 100.0<br>100 | 98.5<br>95~100 | 80.0<br>70~90  | 45.0<br>35~55 | 27.5<br>20~35 | 16.2<br>11~23 | 11.0<br>5~16  | 7.1<br>4~12  | 4.5<br>2~7  | 4.6<br>4.5~6.0 |                |
|                          | ③細粒度<br>アスコン(13)  |              | 100.0<br>100   | 99.8<br>95~100 | 72.5<br>65~80 | 57.5<br>50~65 | 32.8<br>25~40 | 20.3<br>12~27 | 11.6<br>8~20 | 7.0<br>4~10 | 6.2<br>6.0~8.0 |                |
|                          | ⑤密粒度<br>アスコン(20F) | 100.0<br>100 | 99.1<br>95~100 | 88.0<br>75~95  | 65.0<br>52~72 | 53.0<br>40~60 | 31.8<br>25~45 | 21.0<br>16~33 | 13.4<br>8~21 | 8.5<br>6~11 | 5.5<br>5.5~7.5 |                |
|                          | ⑤密粒度<br>アスコン(13F) |              | 100.0<br>100   | 99.8<br>95~100 | 65.0<br>52~72 | 53.0<br>40~60 | 31.7<br>25~45 | 20.9<br>16~33 | 13.2<br>8~21 | 8.5<br>6~11 | 5.6<br>5.5~7.5 |                |
|                          | ①粗粒度<br>アスコン(20)  | 100.0<br>100 | 99.2<br>95~100 | 84.1<br>70~90  | 45.7<br>35~55 | 27.5<br>20~35 | 16.0<br>11~23 | 11.0<br>5~16  | 6.2<br>4~12  | 4.5<br>2~7  | 4.7<br>4.5~6.0 |                |
|                          | ③細粒度<br>アスコン(13)  |              | 100.0<br>100   | 99.1<br>95~100 | 72.5<br>65~80 | 57.5<br>50~65 | 32.3<br>25~40 | 22.1<br>12~27 | 11.3<br>8~20 | 7.0<br>4~10 | 6.2<br>6.0~8.0 |                |
| 南信共同<br>アスコン(株)          | ⑤密粒度<br>アスコン(20F) | 100.0<br>100 | 99.5<br>95~100 | 86.6<br>75~95  | 65.2<br>52~72 | 52.4<br>40~60 | 30.1<br>25~45 | 20.7<br>16~33 | 12.5<br>8~21 | 8.5<br>6~11 | 5.6<br>5.5~7.5 |                |
|                          | ⑤密粒度<br>アスコン(13F) |              | 100.0<br>100   | 99.0<br>95~100 | 65.0<br>52~72 | 52.5<br>40~60 | 30.5<br>25~45 | 21.4<br>16~33 | 12.4<br>8~21 | 8.5<br>6~11 | 5.6<br>5.5~7.5 |                |
|                          | ①粗粒度<br>アスコン(20)  | 100.0<br>100 | 98.3<br>95~100 | 80.8<br>70~90  | 43.9<br>35~55 | 28.8<br>20~35 | 17.1<br>11~23 | 10.5<br>5~16  | 7.3<br>4~12  | 5.1<br>2~7  | 4.8<br>4.5~6.0 |                |
|                          | ③細粒度<br>アスコン(13)  |              | 100.0<br>100   | 98.7<br>95~100 | 72.7<br>65~80 | 56.8<br>50~65 | 31.3<br>25~40 | 17.7<br>12~27 | 11.9<br>8~20 | 7.4<br>4~10 | 6.7<br>6.0~8.0 |                |
|                          | ⑤密粒度<br>アスコン(20F) | 100.0<br>100 | 98.3<br>95~100 | 84.8<br>75~95  | 62.7<br>52~72 | 50.2<br>40~60 | 27.6<br>25~45 | 18.2<br>16~33 | 12.1<br>8~21 | 8.8<br>6~11 | 5.7<br>5.5~7.5 |                |
|                          | ⑤密粒度<br>アスコン(13F) |              | 100.0<br>100   | 97.8<br>95~100 | 62.4<br>52~72 | 51.4<br>40~60 | 29.5<br>25~45 | 17.5<br>16~33 | 12.5<br>8~21 | 8.5<br>6~11 | 5.8<br>5.5~7.5 |                |
| 龍峡<br>アスコン(株)            | ①粗粒度<br>アスコン(20)  | 100.0<br>100 | 99.3<br>95~100 | 80.5<br>70~90  | 47.6<br>35~55 | 27.5<br>20~35 | 15.8<br>11~23 | 10.0<br>5~16  | 6.9<br>4~12  | 4.7<br>2~7  | 4.8<br>4.5~6.0 |                |
|                          | ③細粒度<br>アスコン(13)  |              | 100<br>100     | 99.2<br>95~100 | 75.1<br>65~80 | 58.6<br>50~65 | 32.5<br>25~40 | 18.2<br>12~27 | 11.3<br>8~20 | 7.5<br>4~10 | 6.3<br>6.0~8.0 |                |
|                          | ⑤密粒度<br>アスコン(20F) | 100.0<br>100 | 99.7<br>95~100 | 85.6<br>75~95  | 63.3<br>52~72 | 51.1<br>40~60 | 29.9<br>25~45 | 19.1<br>16~33 | 13.0<br>8~21 | 9.0<br>6~11 | 5.5<br>5.5~7.5 |                |
|                          | ⑤密粒度<br>アスコン(13F) |              | 100<br>100     | 98.9<br>95~100 | 66.2<br>52~72 | 51.8<br>40~60 | 29.7<br>25~45 | 19.2<br>16~33 | 12.3<br>8~21 | 8.6<br>6~11 | 5.7<br>5.5~7.5 |                |
|                          | ①粗粒度<br>アスコン(20)  | 100.0<br>100 | 99.3<br>95~100 | 80.5<br>70~90  | 47.6<br>35~55 | 27.5<br>20~35 | 15.8<br>11~23 | 10.0<br>5~16  | 6.9<br>4~12  | 4.7<br>2~7  | 4.8<br>4.5~6.0 |                |
|                          | ③細粒度<br>アスコン(13)  |              | 100<br>100     | 99.2<br>95~100 | 75.1<br>65~80 | 58.6<br>50~65 | 32.5<br>25~40 | 18.2<br>12~27 | 11.3<br>8~20 | 7.5<br>4~10 | 6.3<br>6.0~8.0 |                |
| 小木曽建設<br>(株)<br>アスコンプラント | ⑤密粒度<br>アスコン(20F) | 100.0<br>100 | 99.7<br>95~100 | 85.6<br>75~95  | 63.3<br>52~72 | 51.1<br>40~60 | 29.9<br>25~45 | 19.1<br>16~33 | 13.0<br>8~21 | 9.0<br>6~11 | 5.5<br>5.5~7.5 |                |
|                          | ⑤密粒度<br>アスコン(13F) |              | 100<br>100     | 98.9<br>95~100 | 66.2<br>52~72 | 51.8<br>40~60 | 29.7<br>25~45 | 19.2<br>16~33 | 12.3<br>8~21 | 8.6<br>6~11 | 5.7<br>5.5~7.5 |                |

配合設計結果総括表【新材】 (令和7年度)

| プラント名                    | 合材種類              | 理論最大<br>密 度 | 供試体<br>密 度 | 空隙率        | 飽和度        | 安定度        | フロー値       |
|--------------------------|-------------------|-------------|------------|------------|------------|------------|------------|
|                          |                   |             |            | 実 測<br>規 格 | 実 測<br>規 格 | 実 測<br>規 格 | 実 測<br>規 格 |
| 飯田<br>アスコン(株)            | ①粗粒度<br>アスコン(20)  | 2.547       | 2.443      | 4.08       | 72.69      | 9.35       | 28.3       |
|                          |                   |             |            | 3～7        | 65～85      | ≥4.90      | 20～40      |
|                          | ③細粒度<br>アスコン(13)  | 2.471       | 2.370      | 4.09       | 77.64      | 8.10       | 32.6       |
|                          |                   |             |            | 3～6        | 70～85      | ≥4.90      | 20～40      |
|                          | ⑤密粒度<br>アスコン(20F) | 2.500       | 2.412      | 3.52       | 78.46      | 10.40      | 29.3       |
|                          |                   |             |            | 3～5        | 75～85      | ≥4.90      | 20～40      |
| 南信共同<br>アスコン(株)          | ①粗粒度<br>アスコン(20)  | 2.557       | 2.451      | 4.10       | 73.08      | 12.08      | 30         |
|                          |                   |             |            | 3～7        | 65～85      | ≥4.90      | 20～40      |
|                          | ③細粒度<br>アスコン(13)  | 2.500       | 2.401      | 3.96       | 78.41      | 8.57       | 30.2       |
|                          |                   |             |            | 3～6        | 70～85      | ≥4.90      | 20～40      |
|                          | ⑤密粒度<br>アスコン(20F) | 2.521       | 2.423      | 3.89       | 77.12      | 11.13      | 30.6       |
|                          |                   |             |            | 3～5        | 75～85      | ≥4.90      | 20～40      |
| 龍峡<br>アスコン(株)            | ①粗粒度<br>アスコン(20)  | 2.529       | 2.423      | 4.2        | 72.7       | 9.85       | 30         |
|                          |                   |             |            | 3～7        | 65～85      | ≥4.90      | 20～40      |
|                          | ③細粒度<br>アスコン(13)  | 2.434       | 2.333      | 4.1        | 78.6       | 8.79       | 31         |
|                          |                   |             |            | 3～6        | 70～85      | ≥4.90      | 20～40      |
|                          | ⑤密粒度<br>アスコン(20F) | 2.475       | 2.383      | 3.7        | 78.0       | 10.32      | 29         |
|                          |                   |             |            | 3～5        | 75～85      | ≥4.90      | 20～40      |
| 小木曽建設<br>(株)<br>アスコンプラント | ①粗粒度<br>アスコン(20)  | 2.520       | 2.418      | 4.0        | 73.9       | 9.13       | 31         |
|                          |                   |             |            | 3～7        | 65～85      | ≥4.90      | 20～40      |
|                          | ③細粒度<br>アスコン(13)  | 2.450       | 2.354      | 3.9        | 78.7       | 8.09       | 31         |
|                          |                   |             |            | 3～6        | 70～85      | ≥4.90      | 20～40      |
|                          | ⑤密粒度<br>アスコン(20F) | 2.485       | 2.401      | 3.4        | 79.1       | 9.58       | 31         |
|                          |                   |             |            | 3～5        | 75～85      | ≥4.90      | 20～40      |
|                          | ⑤密粒度<br>アスコン(13F) | 2.473       | 2.387      | 3.5        | 79.0       | 9.56       | 28         |
|                          |                   |             |            | 3～5        | 75～85      | ≥4.90      | 20～40      |

## 路盤材一括承認条件

- 1 製造プラントは、別紙のとおり。
- 2 承認は新材のみとすること。
- 3 原石の産地が変わった場合は、変更申請のこと。
- 4 一括承認製品は、施工計画書の主要材料表に製造工場名・種類を記入すること。〈土木工事現場必携（R6）共5-15参照〉

- ・ 自然含水比
- ・ フルイ分結果表
- ・ 塑性指数(PI)
- ・ 修正CBR値
- ・ 最適含水比と最大乾燥密度

[路盤碎石試験結果一覧表]について、使用前に適宜提出のこと。

## 路盤材一括承認工場（令和7年度）

| 承認<br>番号 | 会社名                | 所在地（工場）          | 電話番号（工場）     | 承認品目        | 原石の産地    |
|----------|--------------------|------------------|--------------|-------------|----------|
| 14       | (株)大林建材 中川工場       | 上伊那郡中川村葛島2221-11 | 0265-88-3800 | M25,M40,C40 | 天竜川、小渋川  |
| 15       | 木下建設(株)<br>下久堅砕石工場 | 飯田市下久堅知久平1861-1  | 0265-29-8220 | M25,M40,C40 | 天竜川、小渋川  |
| 16       | 信濃建材(株) 大鹿工場       | 下伊那郡大鹿村大河原186    | 0265-39-2345 | M25,M40,C40 | 小渋川      |
| 17       | 吉川工業(株) 川路工場       | 飯田市嶋73           | 0265-26-9041 | M25,M40,C40 | 天竜川、小渋川  |
| 18       | 飯田生コン(株)           | 飯田市松尾清水8662-1    | 0265-23-8835 | M25,M40,C40 | 天竜川、小渋川  |
| 19       | 大鹿砕石(株)            | 下伊那郡大鹿村大河原5465   | 0265-39-2121 | M25,M40,C40 | 山砕石(大鹿村) |
| 20       | 小渋開発(株)            | 下伊那郡大鹿村大河原4761   | 0265-39-2515 | M25,M40,C40 | 小渋川      |
| 21       | (株)平岡砂利            | 下伊那郡天龍村平岡327     | 0260-32-2227 | M25,M40,C40 | 遠山川      |
| 22       | 東亜興産(株)            | 飯田市南信濃木沢692-12   | 0260-34-2551 | M25,M40,C40 | 遠山川      |

# 品質管理結果表【新材】 (令和7年度)

| 会 社 名              |    | (株)大林建材 | 木下建設(株)            | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿砕石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |       |
|--------------------|----|---------|--------------------|---------|---------|----------|---------|---------|---------|---------|-------|
| 試 験 項 目            |    | 材 料 名   | M-25 粒度調整砕石 (25-0) |         |         |          |         |         |         |         |       |
|                    |    | 規 格     |                    |         |         |          |         |         |         |         |       |
| 比重<br>(g/cm3)      | 表乾 | 2.45以上  | 2.705              | 2.706   | 2.715   | 2.686    | 2.700   | 2.695   | 2.708   | 2.663   | 2.650 |
|                    | 絶乾 |         | 2.688              | 2.690   | 2.698   | 2.667    | 2.683   | 2.670   | 2.691   | 2.645   | 2.630 |
|                    | 見掛 |         | 2.736              | 2.735   | 2.744   | 2.719    | 2.730   | 2.739   | 2.739   | 2.692   | 2.690 |
| 吸水量 (%)            |    | 3.0以下   | 0.66               | 0.61    | 0.62    | 0.71     | 0.64    | 0.95    | 0.66    | 0.66    | 0.79  |
| すりへり減量 (%)         |    | 35以下    | 24.3               | 21.4    | 22.0    | 26.3     | 25.8    | 22.1    | 21.6    | 16.4    | 17.8  |
| 安定性 (%)            |    | 12以下    | 7.4                | 7.2     | 7.4     | 7.2      | 7.2     | 6.2     | 7.3     | 7.0     | 8.4   |
| 95% ρ dmax (g/cm3) |    |         | 2.053              | 2.047   | 2.048   | 2.044    | 2.039   | 2.049   | 2.049   | 2.026   | 2.054 |
| 実績率 (%)            |    |         | —                  | —       | —       | —        | —       | —       | —       | —       | —     |
| 塑性指数               |    | NP      | NP                 | NP      | NP      | NP       | NP      | NP      | NP      | NP      | NP    |
| 最適含水比 (%)          |    |         | 6.4                | 6.3     | 6.2     | 6.3      | 6.4     | 6.5     | 6.2     | 6.4     | 6.6   |
| 最大乾燥密度(g/cm3)      |    |         | 2.161              | 2.154   | 2.155   | 2.152    | 2.146   | 2.157   | 2.156   | 2.133   | 2.162 |
| 修正CBR (%)          |    | 80以上    | 110.9              | 114.6   | 127.8   | 116.6    | 113.3   | 114.5   | 106.4   | 104.1   | 90.3  |

| 会 社 名           |          |        | (株)大林建材            | 木下建設(株) | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿砕石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |
|-----------------|----------|--------|--------------------|---------|---------|---------|----------|---------|---------|---------|---------|
| ふるい目の呼び寸法       |          | 材 料 名  | M-25 粒度調整砕石 (25-0) |         |         |         |          |         |         |         |         |
|                 |          | 規 格    |                    |         |         |         |          |         |         |         |         |
| ふるい分け結果通過百分率（％） | 53.0(mm) |        | —                  | —       | —       | —       | —        | —       | —       | —       | —       |
|                 | 37.5     |        | —                  | —       | —       | —       | —        | —       | —       | —       | —       |
|                 | 31.5     | 100    | 100                | 100     | 100     | 100     | 100      | 100     | 100     | 100     | 100.0   |
|                 | 26.5     | 95～100 | 100                | 100     | 100     | 100     | 100      | 100     | 100     | 100     | 97.3    |
|                 | 19.0     |        | —                  | —       | —       | —       | —        | —       | —       | —       | 85.2    |
|                 | 16.0     |        | —                  | —       | —       | —       | —        | —       | —       | —       | —       |
|                 | 13.2     | 55～85  | 76.7               | 72.4    | 72.4    | 78.6    | 72.6     | 72.6    | 71.8    | 72.6    | 74.6    |
|                 | 9.5      |        | —                  | —       | —       | —       | —        | —       | —       | —       | 62.4    |
|                 | 4.75     | 30～65  | 47.1               | 49.6    | 42.0    | 51.8    | 48.3     | 44.9    | 48.3    | 48.1    | 49.7    |
|                 | 2.36     | 20～50  | 36.9               | 37.0    | 31.3    | 37.2    | 36.5     | 34.2    | 35.4    | 37.5    | 36.2    |
|                 | 1.18     |        | —                  | —       | —       | —       | —        | —       | —       | —       | 32.4    |
|                 | 0.600    |        | —                  | —       | —       | —       | —        | —       | —       | —       | 27.6    |
|                 | 0.425    | 10～30  | 18.6               | 18.8    | 16.9    | 18.1    | 18.4     | 16.2    | 18.6    | 18.7    | 23.3    |
|                 | 0.300    |        | —                  | —       | —       | —       | —        | —       | —       | —       | —       |
|                 | 0.150    |        | —                  | —       | —       | —       | —        | —       | —       | —       | 15.7    |
| 0.075           | 2～10     | 6.3    | 6.4                | 6.0     | 6.2     | 6.4     | 5.6      | 6.6     | 6.6     | 8.7     |         |

# 品質管理結果表【新材】 (令和7年度)

| 会 社 名              |    | (株)大林建材 | 木下建設(株)            | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿碎石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |       |
|--------------------|----|---------|--------------------|---------|---------|----------|---------|---------|---------|---------|-------|
| 試 験 項 目            |    | 材 料 名   | M-40 粒度調整碎石 (40-0) |         |         |          |         |         |         |         |       |
|                    |    | 規 格     |                    |         |         |          |         |         |         |         |       |
| 比重<br>(g/cm3)      | 表乾 | 2.45以上  | 2.700              | 2.705   | 2.720   | 2.687    | 2.698   | 2.690   | 2.706   | 2.669   | 2.680 |
|                    | 絶乾 |         | 2.683              | 2.689   | 2.702   | 2.668    | 2.680   | 2.664   | 2.689   | 2.652   | 2.660 |
|                    | 見掛 |         | 2.730              | 2.733   | 2.751   | 2.719    | 2.728   | 2.735   | 2.736   | 2.699   | 2.720 |
| 吸水量 (%)            |    | 3.0以下   | 0.65               | 0.60    | 0.66    | 0.69     | 0.66    | 0.97    | 0.64    | 0.65    | 0.75  |
| すりへり減量 (%)         |    | 35以下    | 25.1               | 22.7    | 22.2    | 26.0     | 26.9    | 22.8    | 22.0    | 16.0    | 18.2  |
| 安定性 (%)            |    | 12以下    | 7.5                | 7.6     | 7.6     | 7.6      | 7.4     | 6.8     | 7.3     | 7.1     | 8.2   |
| 95% ρ dmax (g/cm3) |    |         | 2.054              | 2.048   | 2.408   | 2.041    | 2.052   | 2.053   | 2.046   | 2.036   | 2.080 |
| 実績率 (%)            |    |         | —                  | —       | —       | —        | —       | —       | —       | —       | —     |
| 塑性指数               |    | NP      | NP                 | NP      | NP      | NP       | NP      | NP      | NP      | NP      | NP    |
| 最適含水比 (%)          |    |         | 6.2                | 6.0     | 6.3     | 6.1      | 6.1     | 6.6     | 6.0     | 6.2     | 6.5   |
| 最大乾燥密度(g/cm3)      |    |         | 2.162              | 2.156   | 2.156   | 2.149    | 2.160   | 2.161   | 2.153   | 2.143   | 2.189 |
| 修正CBR (%)          |    | 80以上    | 112.7              | 113.4   | 124.6   | 114.3    | 118.8   | 119.9   | 112.6   | 121.3   | 109.8 |

| 会 社 名           |          | (株)大林建材      | 木下建設(株)            | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿碎石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |       |
|-----------------|----------|--------------|--------------------|---------|---------|----------|---------|---------|---------|---------|-------|
| ふるい目の呼び寸法       |          | 材 料 名<br>規 格 | M-40 粒度調整碎石 (40-0) |         |         |          |         |         |         |         |       |
| ふるい分け結果通過百分率（％） | 53.0(mm) | 100          | 100                | 100     | 100     | 100      | 100     | 100     | 100     | 100     | 100.0 |
|                 | 37.5     | 95～100       | 100                | 100     | 100     | 100      | 100     | 100     | 100     | 100     | 98.5  |
|                 | 31.5     |              | —                  | —       | —       | —        | —       | —       | —       | —       | 92.9  |
|                 | 26.5     |              | —                  | —       | —       | —        | —       | —       | —       | —       | 88.6  |
|                 | 19.0     | 60～90        | 79.1               | 81.7    | 73.8    | 80.7     | 78.2    | 75.9    | 79.8    | 81.9    | 77.8  |
|                 | 16.0     |              | —                  | —       | —       | —        | —       | —       | —       | —       | —     |
|                 | 13.2     |              | —                  | —       | —       | —        | —       | —       | —       | —       | 71.7  |
|                 | 9.5      |              | —                  | —       | —       | —        | —       | —       | —       | —       | 64.6  |
|                 | 4.75     | 30～65        | 46.5               | 47.9    | 42.9    | 47.8     | 46.6    | 42.9    | 47.8    | 48.5    | 48.0  |
|                 | 2.36     | 20～50        | 37.3               | 37.3    | 30.0    | 37.1     | 37.6    | 32.7    | 36.3    | 37.3    | 35.3  |
|                 | 1.18     |              | —                  | —       | —       | —        | —       | —       | —       | —       | 31.1  |
|                 | 0.600    |              | —                  | —       | —       | —        | —       | —       | —       | —       | 25.2  |
|                 | 0.425    | 10～30        | 18.4               | 17.8    | 17.8    | 18.2     | 18.3    | 17.9    | 17.9    | 20.6    | 20.5  |
|                 | 0.300    |              | —                  | —       | —       | —        | —       | —       | —       | —       | —     |
| 0.150           |          | —            | —                  | —       | —       | —        | —       | —       | —       | 13.2    |       |
| 0.075           | 2～10     | 6.5          | 6.3                | 5.9     | 6.0     | 6.1      | 5.9     | 6.0     | 7.0     | 8.0     |       |

# 品質管理結果表【新材】 (令和7年度)

| 会 社 名              |    | (株)大林建材 | 木下建設(株)              | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿砕石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |       |
|--------------------|----|---------|----------------------|---------|---------|----------|---------|---------|---------|---------|-------|
| 試 験 項 目            |    | 材 料 名   | C-40 クラッシャーラン (40-0) |         |         |          |         |         |         |         |       |
|                    |    | 規 格     |                      |         |         |          |         |         |         |         |       |
| 比重<br>(g/cm3)      | 表乾 | 2.45以上  | 2.698                | 2.703   | 2.718   | 2.684    | 2.696   | 2.693   | 2.703   | 2.667   | 2.670 |
|                    | 絶乾 |         | 2.682                | 2.688   | 2.701   | 2.666    | 2.679   | 2.668   | 2.687   | 2.651   | 2.650 |
|                    | 見掛 |         | 2.727                | 2.730   | 2.748   | 2.715    | 2.726   | 2.738   | 2.730   | 2.695   | 2.710 |
| 吸水量 (%)            |    | 3.0以下   | 0.61                 | 0.56    | 0.64    | 0.67     | 0.63    | 0.96    | 0.59    | 0.63    | 0.83  |
| すりへり減量 (%)         |    | 35以下    | 23.7                 | 22.1    | 21.2    | 25.7     | 26.0    | 22.0    | 22.9    | 15.8    | 18.6  |
| 安定性 (%)            |    | 12以下    | 7.9                  | 7.4     | 7.6     | 7.5      | 7.4     | 6.6     | 7.3     | 7.2     | 8.2   |
| 95% ρ dmax (g/cm3) |    |         | 2.026                | 2.027   | 2.008   | 2.022    | 2.010   | 2.007   | 2.023   | 1.990   | 2.022 |
| 実績率 (%)            |    |         | —                    | —       | —       | —        | —       | —       | —       | —       | —     |
| 塑性指数               |    | NP      | NP                   | NP      | NP      | NP       | NP      | NP      | NP      | NP      | NP    |
| 最適含水比 (%)          |    |         | 5.5                  | 5.7     | 5.4     | 5.4      | 5.5     | 5.2     | 5.2     | 5.5     | 5.5   |
| 最大乾燥密度(g/cm3)      |    |         | 2.133                | 2.133   | 2.114   | 2.128    | 2.116   | 2.113   | 2.129   | 2.095   | 2.128 |
| 修正CBR (%)          |    | 80以上    | 84.0                 | 91.4    | 85.9    | 83.9     | 91.7    | 92.4    | 87.4    | 89.1    | 85.3  |

| 会 社 名           |          | (株)大林建材      | 木下建設(株)              | 信濃建材(株) | 吉川工業(株) | 飯田生コン(株) | 大鹿砕石(株) | 小浜開発(株) | (株)平岡砂利 | 東亜興産(株) |       |
|-----------------|----------|--------------|----------------------|---------|---------|----------|---------|---------|---------|---------|-------|
| ふるい目の呼び寸法       |          | 材 料 名<br>規 格 | C-40 クラッシャーラン (40-0) |         |         |          |         |         |         |         |       |
| ふるい分け結果通過百分率（％） | 53.0(mm) | 100          | 100                  | 100     | 100     | 100      | 100     | 100     | 100.0   | 100     | 100.0 |
|                 | 37.5     | 95～100       | 100                  | 100     | 100     | 100      | 100     | 100     | 100.0   | 100     | 97.8  |
|                 | 31.5     |              | —                    | —       | —       | —        | —       | —       | —       | —       | 88.7  |
|                 | 26.5     |              | —                    | —       | —       | —        | —       | —       | —       | —       | 80.1  |
|                 | 19.0     | 50～80        | 67.6                 | 71.1    | 71.6    | 71.2     | 67.9    | 70.9    | 73.8    | 72.2    | 68.0  |
|                 | 16.0     |              | —                    | —       | —       | —        | —       | —       | —       | —       | —     |
|                 | 13.2     |              | —                    | —       | —       | —        | —       | —       | —       | —       | 53.7  |
|                 | 9.5      |              | —                    | —       | —       | —        | —       | —       | —       | —       | 45.2  |
|                 | 4.75     | 15～40        | 29.1                 | 30.7    | 31.9    | 31.4     | 30.6    | 28.7    | 33.7    | 30.1    | 28.0  |
|                 | 2.36     | 5～25         | 18.3                 | 18.7    | 20.4    | 18.0     | 17.9    | 17.4    | 20.0    | 18.0    | 17.9  |
|                 | 1.18     |              | —                    | —       | —       | —        | —       | —       | —       | —       | 16.1  |
|                 | 0.600    |              | —                    | —       | —       | —        | —       | —       | —       | —       | 13.0  |
|                 | 0.425    |              | 8.8                  | 9.1     | 8.6     | 9.0      | 9.0     | 9.0     | 10.0    | 10.1    | 11.9  |
|                 | 0.300    |              | —                    | —       | —       | —        | —       | —       | —       | —       | —     |
|                 | 0.150    |              | —                    | —       | —       | —        | —       | —       | —       | —       | 9.1   |
| 0.075           |          | 4.9          | 4.8                  | 4.7     | 4.9     | 5.0      | 4.9     | 5.2     | 6.2     | 8.0     |       |

## コンクリート積ブロック一括承認条件

- 1 製造工場は、別紙のとおり。
- 2 骨材産地、示方配合等に変更のあるときは、変更申請のこと。
- 3 骨材試験については、必要回数を実施すること。
- 4 一括承認製品は、施工計画書の主要材料表に記入すること。〈土木工事現場必携（R6）共5-15参照〉

## コンクリート積ブロック一括承認工場（令和7年度）

| 承認<br>番号 | 会社名                                   | JIS許可番号   | 所在地              | 電話番号         | 使用骨材の産地   | 指定製品名          |
|----------|---------------------------------------|-----------|------------------|--------------|-----------|----------------|
| 23       | 山富産業(株)<br>上伊那工場                      | TC0307292 | 上伊那郡宮田村5450番地207 | 0265-85-2848 | 天竜川       | コンクリート積ブロック 2A |
| 24       | 松川・モルセラ(株)<br>第二工場                    | TC0312012 | 下伊那郡松川町元大島2715-2 | 0265-36-2626 | 小渋川       | コンクリート積ブロック    |
| 25       | アスザック(株)<br>インフラエンジニアリング事業部<br>バイコン工場 | TC0307415 | 上高井郡高山村大字中山981   | 026-248-5140 | 上高井郡高山村中山 | コンクリート積ブロック    |

積みブロック諸元一覧表（令和7年度）

| 製造会社名                                             | 形状寸法            |                  |                 |        | 示方配合 |        |         |        |            |            |                  |                                  |             |                            |                            |                            |                                 |                  |     |                  |      | 1㎡あたり       |             |             | 胴込コンクリート                        |                  |                                           |             |             |
|---------------------------------------------------|-----------------|------------------|-----------------|--------|------|--------|---------|--------|------------|------------|------------------|----------------------------------|-------------|----------------------------|----------------------------|----------------------------|---------------------------------|------------------|-----|------------------|------|-------------|-------------|-------------|---------------------------------|------------------|-------------------------------------------|-------------|-------------|
|                                                   | 面<br>寸<br>法     | 控<br>長<br>寸<br>法 | 控<br>尻          | 合<br>端 | 砂    | 砂<br>利 | 密度      |        | 単位容積<br>質量 |            | ス<br>ラ<br>ン<br>プ | コ<br>ン<br>シ<br>ス<br>テ<br>ン<br>シー | 空<br>気<br>量 | 成<br>型<br>時<br>空<br>隙<br>量 | 成<br>型<br>時<br>空<br>隙<br>率 | 水<br>セ<br>メ<br>ン<br>ト<br>比 | 空<br>隙<br>セ<br>メ<br>ン<br>ト<br>比 | 細<br>骨<br>材<br>率 | 単位量 |                  |      |             |             |             | ブ<br>ロ<br>ッ<br>ク<br>の<br>容<br>積 | 使<br>用<br>数<br>量 | 質<br>量<br>350kg<br>以上<br>目<br>標<br>質<br>量 | 胴<br>込<br>量 | 超<br>過<br>量 |
|                                                   |                 |                  |                 |        |      |        | 砂       | 砂<br>利 | 砂          | 砂<br>利     |                  |                                  |             |                            |                            |                            |                                 |                  | 水   | セ<br>メ<br>ン<br>ト | 砂    | 砂<br>利<br>1 | 砂<br>利<br>2 | 混<br>和<br>剤 |                                 |                  |                                           |             |             |
| 単位                                                | (mm)            | (mm)             | (mm)            | (mm)   | (mm) | (mm)   | (g/cm3) | (kg/l) |            | (cm)       | (cm)             | (%)                              | (%)         | (%)                        | (%)                        |                            | (%)                             | (kg/m3)          |     |                  |      |             |             | (m3)        | (個)                             | (kg/m2)          | (m3)                                      | (%)         |             |
| 山富産業(株)<br>上伊那工場<br>(スプリットン)                      | 400<br>×<br>250 | 350              | 160<br>×<br>250 | 50     | 5    | 10     | 2.66    | 2.70   | —          | 1.6        | —                | 3                                | —           | 1.0                        | 4.0                        | 37.5                       | 1.8                             | 58.0             | 105 | 280              | 1167 | —           | 858         | —           | 0.161                           | 10               | 375                                       | 0.190       | —           |
| 松川・モルセラ<br>(株)第二工場<br>(粗面)                        | 400<br>×<br>250 | 350              | 130<br>×<br>140 | 50     | 5    | 25     | 2.69    | 2.71   | 1.60<br>以上 | 1.60<br>以上 | 8.0              | —                                | 4.5         | —                          | —                          | 50                         | —                               | 43.0             | 150 | 300              | 821  | 1098        |             | 3.0         | 0.156                           | 10               | 350                                       | 0.192       | 6.7         |
| アスザック(株)<br>インフラエンジニ<br>アリング事業部<br>バイコン工場<br>(粗面) | 400<br>×<br>250 | 350              | 160<br>×<br>250 | 50     | 5    | 15     | 2.62    | 2.62   | —          | —          | 0.0              | —                                | —           | —                          | —                          | 37.8                       | —                               | 58.0             | 98  | 259              | 1163 | 841         | —           | 0.65        | —                               | 10               | 350<br>以上                                 | —           | —           |

## コンクリート二次製品一括承認条件

- 1 製造工場は別紙のとおり。
- 2 生産条件等に変更のあるときは、変更申請のこと。
- 3 塩化物総量規制の試験結果については、月別に提出し、飯田市建設部にて一括保管する。
- 4 一括承認製品は、施工計画書の主要材料表に製造工場を記入すること。〈土木工事現場必携（R6）共5-15参照〉

## コンクリート二次製品承認工場（令和7年度）

| 承認<br>番号 | 会社名(工場名)                             | JIS許可番号   | 所在地                | 電話番号         | JIS許可品目 |
|----------|--------------------------------------|-----------|--------------------|--------------|---------|
| 26       | アスザック(株) インフラエンジニアリング事業部<br>高山工場     | TC0308062 | 上高井郡高山村大字中山981     | 026-245-1520 | B       |
| 27       | アスザック(株) インフラエンジニアリング事業部<br>東部工場     | TC0308033 | 東御市滋野乙1310-2       | 0268-62-0121 | B       |
| 28       | アスザック(株) インフラエンジニアリング事業部<br>飯田工場     | TC0308014 | 飯田市龍江5571          | 0265-28-7050 | B       |
| 29       | アスザック(株) インフラエンジニアリング事業部<br>バイコン工場   | TC0307415 | 上高井郡高山村大字中山981     | 026-248-5140 | A       |
| 30       | (株)高見澤 インフラセグメント 建設生産部<br>コンクリート伊那工場 | TC0307460 | 上伊那郡宮田村大久保5450-22  | 0265-85-3061 | A,B     |
| 31       | 松川・モルセラ(株)第一工場                       | TC0312011 | 下伊那郡松川町元大島5518     | 0265-36-5366 | A,B     |
| 32       | (株)ホクエツ信越 松本工場                       | TC0310008 | 東筑摩郡朝日村大字西洗馬1103-3 | 0263-99-3993 | A       |
| 33       | (株)ホクエツ信越 長野工場                       | TC0306099 | 長野市篠ノ井塩崎228-1      | 026-292-1650 | A,B     |
| 34       | (株)ホクエツ信越 東信工場                       | TC0306085 | 上田市下武石237-4        | 0268-85-2203 | A,B     |
| 35       | (株)オーイケ 本社工場                         | TC0307402 | 東筑摩郡山形村54-1        | 0263-98-2238 | B       |

JIS工場指定品目 A：JIS A 5371 プレキャスト無筋コンクリート製品  
B：JIS A 5372 プレキャスト鉄筋コンクリート製品  
C：JIS A 5373 プレキャストプレストレスコンクリート製品

承認品目別紙

| コンクリート二次製品一括承認品目（令和7年度） |          |        |        |      |      |        |      |          |         |      |      |       |
|-------------------------|----------|--------|--------|------|------|--------|------|----------|---------|------|------|-------|
| 製品名                     | 工場<br>規格 | 長さ     | アスザック㈱ |      |      |        | ㈱高見澤 | 松川・モルセラ㈱ | ㈱ホクエツ信越 |      |      | ㈱オーイケ |
|                         |          |        | 高山工場   | 東部工場 | 飯田工場 | ハイコン工業 | 伊那工場 | 第一工場     | 松本工場    | 長野工場 | 東信工場 | 本社工場  |
| 自由勾配側溝<br>300（縦断用）      | 300×300  | L=2.0m | -      | ○    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 300×400  | L=2.0m | -      | ○    | ○    | -      | -    | -        | -       | ○    | -    | ○     |
|                         | 300×500  | L=2.0m | -      | ○    | ○    | -      | -    | -        | -       | ○    | -    | ○     |
|                         | 300×600  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 300×700  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 300×800  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 300×900  | L=2.0m | ○      | -    | ○    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 300×1000 | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
| 自由勾配側溝<br>400（縦断用）      | 400×400  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 400×500  | L=2.0m | -      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 400×600  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 400×700  | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 400×800  | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 400×900  | L=2.0m | -      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 400×1000 | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 400×1100 | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
| 自由勾配側溝<br>500（縦断用）      | 500×400  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 500×500  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 500×600  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 500×700  | L=2.0m | ○      | -    | ○    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 500×800  | L=2.0m | -      | -    | ○    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 500×900  | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 500×1000 | L=2.0m | -      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 500×1100 | L=2.0m | -      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
| 自由勾配側溝<br>600（縦断用）      | 600×500  | L=2.0m | -      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 600×600  | L=2.0m | ○      | -    | ○    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 600×700  | L=2.0m | ○      | -    | ○    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 600×800  | L=2.0m | ○      | -    | ○    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 600×900  | L=2.0m | ○      | -    | -    | -      | -    | -        | -       | -    | ○    | ○     |
|                         | 600×1000 | L=2.0m | ○      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 600×1100 | L=2.0m | ○      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
|                         | 600×1200 | L=2.0m | -      | -    | -    | -      | -    | -        | ○       | -    | -    | ○     |
| 自由勾配側溝用<br>甲蓋           | 車道用      |        |        |      |      |        |      |          |         |      |      |       |
|                         | 300      | L=0.5m | -      | -    | ○    | ○      | -    | -        | -       | ○    | -    | ○     |
|                         | 400      | L=0.5m | -      | -    | ○    | -      | -    | -        | -       | ○    | -    | ○     |
|                         | 500      | L=0.5m | -      | -    | ○    | -      | -    | -        | -       | ○    | -    | ○     |
|                         | 600      | L=0.5m | ○      | -    | ○    | -      | -    | -        | -       | ○    | -    | ○     |
|                         | 歩道用      |        |        |      |      |        |      |          |         |      |      |       |
|                         | 300      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 400      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 500      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 600      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |

| コンクリート二次製品一括承認品目（令和7年度） |          |        |        |      |      |        |      |          |         |      |      |       |
|-------------------------|----------|--------|--------|------|------|--------|------|----------|---------|------|------|-------|
| 製品名                     | 工場<br>規格 | 長さ     | アスザック㈱ |      |      |        | ㈱高見澤 | 松川・モルセラ㈱ | ㈱ホクエツ信越 |      |      | ㈱オーイケ |
|                         |          |        | 高山工場   | 東部工場 | 飯田工場 | ハイコン工業 | 伊那工場 | 第一工場     | 松本工場    | 長野工場 | 東信工場 | 本社工場  |
| 鉄筋コンクリート<br>U型側溝        | 450      | L=0.6m | -      | JIS  | JIS  | -      | ○    | -        | -       | JIS  | -    | -     |
|                         | 600      | L=0.6m | -      | JIS  | JIS  | -      | ○    | -        | -       | JIS  | -    | -     |
|                         | 100      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | ○     |
|                         | 150      | L=1.0m | -      | -    | -    | -      | ○    | JIS      | -       | -    | -    | ○     |
|                         | 180      | L=1.0m | -      | -    | -    | -      | ○    | JIS      | -       | -    | -    | ○     |
|                         | 240      | L=1.0m | -      | JIS  | JIS  | -      | JIS  | JIS      | -       | JIS  | -    | JIS   |
|                         | 300A     | L=1.0m | -      | JIS  | JIS  | -      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | 300B     | L=1.0m | JIS    | JIS  | JIS  | -      | JIS  | JIS      | -       | JIS  | -    | ○     |
|                         | 300C     | L=1.0m | -      | JIS  | JIS  | -      | ○    | -        | -       | -    | -    | -     |
|                         | 360A     | L=1.0m | -      | JIS  | JIS  | -      | -    | JIS      | -       | -    | -    | -     |
|                         | 360B     | L=1.0m | -      | JIS  | JIS  | -      | ○    | JIS      | -       | JIS  | -    | ○     |
| 鉄筋コンクリート<br>U型側溝蓋1種     | 450      | L=1.0m | -      | -    | -    | -      | -    | JIS      | -       | -    | -    | ○     |
|                         | 600      | L=1.0m | -      | -    | -    | -      | -    | JIS      | -       | -    | -    | ○     |
|                         | 150      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 180      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 240      | L=1.0m | -      | -    | ○    | ○      | -    | ○        | -       | -    | -    | ○     |
|                         | 300      | L=1.0m | -      | -    | ○    | ○      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 360      | L=1.0m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | ○     |
|                         | 450      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | ○     |
|                         | 600      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | ○     |
|                         | 450      | L=0.6m | -      | -    | ○    | ○      | -    | -        | -       | -    | -    | -     |
|                         | 600      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | -     |
| 鉄筋コンクリート<br>U型側溝蓋2種     | 360      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 180      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | -     |
|                         | 240      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | ○     |
|                         | 300      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | ○     |
|                         | 360      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | ○     |
| 車道用<br>鉄筋コンクリートU型       | 450      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | ○     |
|                         | 600      | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | ○     |
|                         | 240      | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 300A     | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 300B     | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 360B     | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 450      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | ○    | -    | -     |
|                         | 600      | L=0.6m | -      | -    | -    | -      | -    | -        | -       | ○    | -    | -     |
|                         | 180      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 240      | L=1.0m | -      | -    | ○    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 300A     | L=1.0m | -      | -    | ○    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 300B     | L=1.0m | -      | -    | ○    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 360A     | L=1.0m | -      | -    | -    | -      | ○    | ○        | -       | -    | -    | -     |
|                         | 360B     | L=1.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | -     |
| 特殊車道用<br>鉄筋コンクリートU型     | 450      | L=1.0m | -      | -    | -    | -      | ○    | ○        | -       | -    | -    | -     |
|                         | 600      | L=1.0m | -      | -    | -    | -      | -    | ○        | -       | -    | -    | -     |
|                         | 240      | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 300      | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 360      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | 450      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | 600      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | 240      | L=1.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
| 特殊車道用甲蓋                 | 300      | L=1.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 360      | L=1.0m | -      | -    | -    | -      | -    | ○        | -       | -    | -    | ○     |
|                         | 450      | L=0.5m | -      | -    | -    | -      | -    | ○        | -       | -    | -    | ○     |
|                         | 600      | L=0.5m | -      | -    | -    | -      | -    | -        | -       | -    | -    | ○     |
|                         | 360      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | 450      | L=0.6m | -      | -    | -    | ○      | ○    | -        | -       | -    | -    | -     |
|                         | 600      | L=0.6m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | 240      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 300      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 360      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | 450      | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |

| コンクリート二次製品一括承認品目（令和7年度） |           |        |        |      |      |        |      |          |         |      |      |       |
|-------------------------|-----------|--------|--------|------|------|--------|------|----------|---------|------|------|-------|
| 製品名                     | 工場<br>規格  | 長さ     | アスザック㈱ |      |      |        | ㈱高見澤 | 松川・モルセラ㈱ | ㈱ホクエツ信越 |      |      | ㈱オーイケ |
|                         |           |        | 高山工場   | 東部工場 | 飯田工場 | ハイコン工場 | 伊那工場 | 第一工場     | 松本工場    | 長野工場 | 東信工場 | 本社工場  |
| ボックスカルバート<br>(RC)       | 300×300   | L=2000 | -      | -    | ○    | -      | ○    | -        | ○       | -    | -    | ○     |
|                         | 400×400   | L=2000 | -      | -    | ○    | -      | ○    | -        | ○       | -    | -    | ○     |
|                         | 500×500   | L=2000 | ○      | -    | ○    | -      | ○    | -        | ○       | -    | -    | ○     |
|                         | 600×600   | L=2000 | ○      | -    | ○    | -      | ○    | -        | ○       | -    | -    | ○     |
|                         | 700×700   | L=2000 | -      | -    | ○    | -      | -    | -        | ○       | -    | -    | -     |
|                         | 800×800   | L=2000 | ○      | -    | -    | -      | -    | -        | -       | -    | ○    | -     |
|                         | 900×900   | L=2000 | -      | -    | -    | -      | -    | -        | -       | -    | ○    | -     |
|                         | 1000×1000 | L=2000 | -      | -    | ○    | -      | ○    | -        | -       | -    | ○    | -     |
| 鉄筋コンクリートL型              | 250A      | L=0.6m | -      | -    | ○    | ○      | -    | -        | -       | -    | -    | -     |
|                         | 250B      | L=0.6m | -      | -    | ○    | ○      | JIS  | JIS      | -       | -    | -    | ○     |
|                         | 300       | L=0.6m | -      | -    | ○    | ○      | ○    | JIS      | -       | -    | -    | ○     |
|                         | 350       | L=0.6m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
| ベンチフリューム<br>(II型)       | 200       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | -    | -    | ○     |
|                         | 250       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | -    | -    | ○     |
|                         | 300       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 350       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 400       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 500       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 600       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 700       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
|                         | 800       | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | ○    | -    | ○     |
| ジョイント<br>ベンチフリューム       | 900       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 1000      | L=2.0m | -      | -    | -    | -      | ○    | ○        | -       | -    | -    | ○     |
|                         | 200       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 250       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 300       | L=2.0m | -      | ○    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 350       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 400       | L=2.0m | -      | ○    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 500       | L=2.0m | -      | ○    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 600       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
| 歩車道境界ブロック<br>(片面)       | 700       | L=2.0m | -      | ○    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 800       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 900       | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | 1000      | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | A種        | L=0.6m | -      | -    | ○    | ○      | JIS  | JIS      | -       | JIS  | -    | ○     |
|                         | B種        | L=0.6m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | C種        | L=0.6m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | -     |
|                         | A種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | B種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | JIS     | -    | -    | ○     |
| 歩車道境界ブロック<br>(両面)       | C種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | -     |
|                         | A種        | L=0.6m | -      | -    | ○    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | B種        | L=0.6m | -      | -    | ○    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | C種        | L=0.6m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | A種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | B種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | ○     |
| 地先境界ブロック                | C種        | L=2.0m | -      | -    | -    | ○      | ○    | JIS      | -       | JIS  | -    | -     |
|                         | A種        | L=0.6m | -      | -    | ○    | -      | ○    | JIS      | JIS     | -    | -    | ○     |
|                         | B種        | L=0.6m | -      | -    | -    | -      | ○    | JIS      | -       | JIS  | -    | ○     |
|                         | C種        | L=0.6m | -      | -    | ○    | -      | ○    | JIS      | JIS     | -    | -    | ○     |
|                         | A面取り      | L=0.6m | -      | -    | -    | ○      | ○    | -        | -       | -    | -    | ○     |
|                         | B面取り      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | -     |
|                         | C面取り      | L=0.6m | -      | -    | -    | ○      | -    | -        | -       | -    | -    | -     |
|                         | A種        | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | B種        | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | C種        | L=1.0m | -      | -    | -    | -      | -    | -        | -       | -    | -    | -     |
|                         | A種        | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
|                         | B種        | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | C種        | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | ○     |
|                         | A面取り      | L=2.0m | -      | -    | -    | -      | ○    | -        | -       | -    | -    | -     |
| B面取り                    | L=2.0m    | -      | -      | -    | -    | -      | -    | -        | -       | -    | ○    |       |
| C面取り                    | L=2.0m    | -      | -      | -    | -    | -      | -    | -        | -       | -    | ○    |       |