

203-6.3.3 Mineral Filler. Mineral filler shall consist of portland cement or mechanically reduced rock. Mechanically reduced rock shall conform to the grading in Table 203-6.3.3 (A) when tested in accordance with ASTM D422:

TABLE 203-6.3.3 (A)

| Particle Size | Percentage |
|--------------------|------------|
| Passing 75µm Sieve | 75 - 100 |
| Finer than 50µm | 65 - 100 |
| Finer than 20µm | 35 - 65 |
| Finer than 10µm | 26 - 35 |
| Finer than 5µm | 10 - 22 |

203-6.4 Asphalt Concrete Mixtures.

203-6.4.1 General. Acceptance of plant produced mixtures will be based upon gradation, binder content, and minimum stability values per Table 203-6.4.3 (A). Air void values are not to be used as acceptance criteria. The asphalt concrete shall be sampled in accordance with the requirements of California Test 125. The S-value test results shall conform to the moving average provisions of 400-1.1.3, except that no individual test result shall be found acceptable if it is more than 3 points below the minimum S-value listed in Table 203-6.4.3(A). The S-value result shall be the average of 3 tests from one sample representing 1000 tons or a single day's paving, whichever is less. If the range of stabilities for the 3 tests is more than 10, then the sample shall be discarded and a new sample shall be obtained and retested.

203-6.4.2 Combined Aggregates. Combined aggregates, after all processing except the adding of asphalt and mineral filler, shall have a minimum sand equivalent of 50 when tested by California Test 217.

When there is a difference in specific gravity (bulk saturated surface dry per ASTM C127 and C128) of 0.2 or more between that portion retained and that portion passing a No. 4 (4.75mm) sieve, the grading shall be modified as provided by California Test 105.

203-6.4.3 Composition and Grading. The grading of the combined aggregates and the percentage of asphalt binder shall conform to the requirements indicated in the following tabulations in which the percentages shown are based on the weight of dry aggregate only (outside):

TABLE 203-6.4.3 (A)

| Sieve Size | Percentage Passing Sieves | | | | | | | |
|------------------|---------------------------|---------------------|-------------|--------------|-----------|------------|------------|---------------|
| | A | B | C1 | C2 | D1 | D2 | E | F |
| | Dense Coarse | Dense Medium Coarse | Open Medium | Dense Medium | Open Fine | Dense Fine | Extra Fine | Channel Liner |
| 1-1/2" (37.5mm) | 100 | | | | | | | |
| 1" (25mm) | 90-100 | 100 | | | | | | |
| 3/4" (19.0mm) | 78-90 | 87-100 | 100 | 100 | | | | |
| 1/2" (12.5mm) | 64-78 | 70-87 | 90-100 | 95-100 | 100 | 100 | | |
| 3/8" (9.5mm) | 54-68 | 55-76 | 72-88 | 72-88 | 90-100 | 95-100 | 100 | 100 |
| No. 4 (4.75mm) | 34-48 | 35-52 | 40-54 | 46-60 | 40-54 | 58-72 | 65-85 | 95-100 |
| No. 8 (2.36mm) | 25-35 | 22-40 | 18-34 | 28-42 | 20-32 | 34-48 | 45-65 | 70-84 |
| No. 30 (600µm) | 12-22 | 8-24 | 8-20 | 15-27 | 6-18 | 18-32 | 22-38 | 36-50 |
| No. 50 (300µm) | 8-16 | 5-18 | 4-14 | 10-20 | 2-12 | 13-23 | 16-28 | 23-35 |
| No. 200 (75µm) | 3-6 | 0-7 | 1-6 | 2-7 | 0-5 | 2-9 | 6-12 | 6-12 |
| Asphalt Binder % | 4.5-5.5 | 4.5-5.8 | 4.6-6.0 | 4.6-6.0 | 4.8-6.5 | 4.8-6.5 | 5.8-7.8 | 8.0-10.0 |
| Hveem Stability | 35 | 35 | 33 | 33 | 30 | 30 | | |
| "S" Value (min.) | | | | | | | | |
| Air Voids* | 4% | 4% | 4% | 4% | 4% | 4% | | |

* Per CTM 367