

August 8, 2011

Hanson Aggregates
West Region
12667 Alcosta Blvd. #400
San Ramon, CA 94583
Tel 925 244-6560

SECHELT 25 mm x 4.75 mm (1" x #4)

The Sechelt 25 mm x 4.75 mm (1" x #4) concrete aggregate supplied by Hanson Aggregates conforms to the requirements for ASTM C 33, Size No. 57 (1 x #4) and Size No. 67 (3/4" x #4). This aggregate is produced at the Sechelt, B.C. plant and is distributed at Hanson's Bay area facilities. Concrete aggregates from this plant have been used in concrete for more than twenty years with no known incidence of alkali reactivity or cement incompatibility. The typical physical properties of the aggregate are summarized below.

Meets both 1" & 3/4" gradings

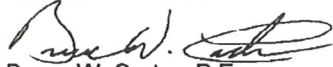
Gradation:

| Sieve Size | Sechelt (1" x #4) 25 mm x 4.75 mm | Percent Passing | |
|----------------|--------------------------------------|----------------------------|----------------------------|
| | | ASTM C 33 Spec. Size 57 | ASTM C 33 Spec. Size 67 |
| 37.5 mm (1½") | 100 | 100 | 100 |
| 25.0 mm (1") | 100 | 95 - 100 | 100 |
| 19.0 mm (¾") | 90 (85) | - | 90-100 |
| 12.5 mm (½") | 44 | 25- 60 | - |
| 9.50 mm (3/8") | 25 (25) | - | 20-55 |
| 4.75 mm (#4) | 6 | 0 - 10 | 0 - 10 |
| 2.36 mm (#8) | 3 | 0 - 5 | 0 - 5 |

| | | | |
|-----------------------------------|-----------|------------|-----------|
| Specific Gravity, Bulk S.S.D. | 2.72 | - | - |
| Absorption, % | 0.7 | - | - |
| Dry Rodded Unit Wt., pcf | 109.6 | - | - |
| Cleanness Value | 93 | - | - |
| Abrasion Loss, C 131 (500 revs) | 25.4% | 50% Max. | 50% Max. |
| Coarse Durability, d _c | 92 | - | - |
| Water Sol. Chlorides | n.d. | - | - |
| Deleterious Substances | | | |
| Shale & Chert, C 295 | 0.1% | - | - |
| Clay & Friables, C 142 | 0.1% | 5.0 % Max. | 5.0% Max. |
| Coal & Lignite, C 123 | None | 0.5 % Max | 0.5% Max. |
| -200 Mesh, C 117 | 0.2% | 1.0% Max. | 1.0% Max. |
| Sodium Soundness, C 88 | 0.2% | 12% Max. | 12% Max. |
| Alkali Reactivity, C 295 | Innocuous | I | I |
| C 1260 | 0.06% | 0.10% | 0.10% |
| C 1293 | 0.018% | 0.04% | 0.04% |

Should you have questions regarding this aggregate material, please do not hesitate to call your Sales Representative.

LEHIGH HANSON



Bruce W. Carter, P.E.
Regional Director, QC/QA

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