



August 1, 2011

Hanson Aggregates
 West Region
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SECHELT 12.5 mm x 4.75 mm (1/2" x #4)

The Sechelt 12.5 mm x 4.75 mm (1/2" x #4) aggregate supplied by Hanson Aggregates conforms to the requirements of ASTM C 33 and the Caltrans Standard Special Provisions as noted below. This aggregate is produced at the Sechelt, B.C. plant and is distributed at Hanson's Bay area facilities. Aggregates from this location have been incorporated in concrete mixtures 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.

Gradation:	Percent Passing		
	Sechelt (1/2" x #4) 12.5 mm x 4.75 mm	Caltrans 1/2" x #4	ASTM C 33 Size No. 7
Sieve Size			
19.0 mm (3/4")	100	100	100
12.5 mm (1/2")	97	82 - 100	90 - 100
9.50 mm (3/8")	68 (54)	39 - 69 (X±15)	40 - 70
4.75 mm (#4)	13	0 - 15	0 - 15
2.36 mm (#8)	4	0 - 6	0 - 5
	(X-value)		
Specific Gravity, Bulk S.S.D.	2.69	-	-
Absorption	0.9%	-	-
Dry Rodded Unit Wt., pcf	105.8	-	-
Cleanness Value	92	75 Min.	-
Abrasion Loss, C 131	23.6	45% Max.	50% Max.
Sodium Soundness, C 88	0.3%	-	12% Max.
Coarse Durability, d _c	93	60 Min.	-
Water Sol. Chlorides	n.d.	-	-
Deleterious Substances			
Shale & Chert, C 295	0.1%	-	-
Clay & Friables, C 142	0.2%	-	5.0% Max.
Lightweight Particles, C 123	None	0.5% Max.	-
Alkali Reactivity, C 295	Innocuous	I	I
C 1260	0.06%	0.15% Max.	0.10% Max.

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

LEHIGH HANSON

Bruce W. Carter, P.E.
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