

Wallace Quarries - Test Data

Testing Data For Wallace Sandstone

Results of ASTM testing carried out by National Research Council, Halifax, Nova Scotia. March 1967.

Absorption	Percent absorption after 24 hrs. was 4.0%
Saturation Coefficient	Saturation Coefficient was 0.644
Unit Weight	Unites varies from 141.0 lbs cu/ft to 145 lbs. cu/ft for 12 specimens tested.
Porosity	The apparent porosity was 14.3%
Compressive Strength	On four specimens of sandstone compressive strength ranged from 11,154 PSI to 14,759 PSI
Freeze - Thaw Test	Fifty freeze - thaw test were completed on four samples with no failures. The average weighted lossat the end of cycling was 0.06%

Results of mineral analysis carried out by Dalhousie University (Mineral Engineering Center) Halifax, Nova Scotia. February 19th, 2001.

SiO₂	Silicon Dioxide	"Silica"	82.00 %
Al₂O₃	Aluminium Oxide	"Alumina"	8.12 %
Fe₂O₃	Ferric Oxide	"Hematite"	3.19 %
Na₂O	Sodium Oxide		1.67 %
K₂O	Potassium Oxide		1.13 %
MgO	Magnesium Oxide		0.72 %
CaO	Calcium Oxide		0.81 %
TiO	Titanium Oxide	"Titania"	0.29 %
MnO	Manganese Oxide	"Magnesia"	0.10 %
LOI.	Loss on Ignition		2.59 %

If additional information is required, please contact Wallace Quarries Ltd.

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