

TYPICAL CEMENT CERTIFICATE

Portland Cement type

RehabSol
Physical tests

<u>Time of Set Vicat (minutes)</u>	
<i>Initial</i>	115
<i>Final</i>	245
 <u>Fineness</u>	
<i>Specific surface</i>	
<i>(Blaine) (m²/kg)</i>	393
<i>Retained on 45 µm</i>	
<i>sieve (%)</i>	5
 <u>False set</u>	
<i>final penetration (%)</i>	63
<u>Autoclave</u>	
<i>expansion (%)</i>	0.10
<i>Air content (%)</i>	6
 <u>Compressive strength (MPa[psi])</u>	
<i>3 days</i>	26.4 [3830]
<i>7 days</i>	30.9 [4480]
<i>28 days</i>	37.8 [5480]
 <u>Expansion of mortar bars</u>	
<i>at 14 days (%)</i>	0.008

Chemical analysis (%)

<i>SiO₂</i>	19.1
<i>Al₂O₃</i>	4.8
<i>Fe₂O₃</i>	3.6
<i>CaO</i>	60.2
<i>Free calcium oxide</i>	1.5
<i>MgO</i>	2.6
<i>SO₃</i>	3.8
<i>Loss on ignition</i>	1.9
<i>Insoluble residue</i>	0.5
<u>Alkalies</u>	
<i>(Na₂O equivalent)</i>	0.92
<i>Carbon dioxide (CO₂)</i>	1.7
<i>Limestone</i>	4.5
<i>Calcium carbonate (CaCO₃)</i>	
<i>in limestone</i>	84
 <u>Mineralogical Composition (Potential)</u>	
<i>C₃S</i>	47
<i>C₂S</i>	18
<i>C₃A</i>	7
<i>C₄AF</i>	11

**We hereby certify that the cement delivered complies
with the ASTM Standard C 150 and AASHTO M 85.**

For any information regarding this certificate, please contact our technical service at (418) 329-2100, ext. 3276.

Michel Chabot, Eng.
Engineer Chemist