

TYPICAL CEMENT CERTIFICATE

Silica Fume (RCC) Hydraulic Cement type

GU

Physical tests

Time of Set Vicat (minutes)

Initial..... 115

Final..... 255

Fineness

Specific surface

 Blaine (m²/kg)..... 553

Retained on 45 µm

sieve (%)..... 4

Autoclave

expansion (%)..... 0.04

Air content (%)..... 9

Compressive strength (MPa [psi])

3 days 26.3 [3820]

7 days 33.3 [4820]

28 days 45.2 [6550]

Expansion of mortars bars

at 14 days (%) 0.009

Accelerated pozzolanic Strength Activity

Index at 7 days (%) 125

Chemical Analysis (%)

 SiO₂ 23.0

 Al₂O₃ 4.5

 Fe₂O₃ 3.4

CaO 54.7

Free Lime 1.4

MgO 2.3

 SO₃ 4.1

Loss on ignition 3.1

Silica Fume addition

(% by mass) 7.9

We hereby certify that the cement delivered complies
with the current requirements ASTM standard C 1157 Type GU .

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

*Michel Chabot, Eng.
Chemist Engineer*