CONCRETE MIX

VERY RAPID HARDENING CONCRETE

SUMMARY OF PROPERTIES

All tests were carried out at 21˚C until the age of the test. Tests were carried out at a water addition rate of 3.56L per 27.2kg.
Notes: All test results are independent third party results. Results for Compressive strength based on 70mm cube samples. The test results listedare derived from laboratory testing. Results will vary if standard sample sizes or test conditions vary. Refer to Technical Data Sheets for application and installation instructions.

COLOUR
Light Grey (when dry)

YIELD @ 21˚C
0.014m^3 per 27.2 kg bag

APPLICATION THICKNESS
50 – 600 mm

PACKAGING
27.2kg Bags
50 Bags per pallet

SETTING TIME
ASTM C191
Initial: 15 Minutes
Final: 1 Hour

Compressive Strength
ASTM C109 Mod

Typical Result

1 hour	19.0MPa
3 hours	25.0MPa
7 Days	34.5MPa
28 Days	41.4MPa

Flexural Strength (Modulus of Rupture)
ASTM C78

Typical Result

7 Days	4.5MPa
28 Days	5.2MPa

Tensile Strength
ASTM C496 - Splitting Tensile

Typical Result

7 Days	6.0MPa
28 Days	6.5MPa

Modulus of Elasticity
ASTM C469 - Static Modulus of Elasticity

Typical Result

7 Days	3.18 x 10^4 MPa
28 Days	3.07 x 10^4 MPa

Dimensional Change
ASTM C157

Typical Result

In Air at 28 days	-0.020%
In Water at 28 days	0.010%

Coefficient of Thermal Expansion
ASTM C531
4.11 x 10^{-6}/˚C

Fresh Wet Density
ASTM C138
2193 kg/m^3

Bond Strength
ASTM C882 Mod - By Slant Shear

Typical Result

1 day	11.0MPa
28 days	20.0MPa

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