

Mortar Mix

High Strength Repair Mortar

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 3.7L per 25kg.

Test Method	Standard	Typical Result(s)			
		1 hour	3 hours	7 days	28 days
Compressive Strength	ASTM C109 Mod	17.2 MPa	27.6 MPa	34.5 MPa	48.3 MPa
Flexural Strength (Modulus of Rupture)	ASTM C78	7 days		28 days	
		4.1 MPa		4.8 MPa	
Tensile Strength	ASTM C496 Splitting Tensile	7 days		28 days	
		3.4 MPa		4.1 MPa	
Modulus of Elasticity	ASTM C469 Static Modulus of Elasticity	7 days		28 days	
		2.49 x 10 ⁴ MPa		2.68 x 10 ⁴ MPa	
Dimensional Change	ASTM C157	In Air at 28 days		In Water at 28 days	
		-0.034%		0.017%	
Coefficient of Thermal Expansion	ASTM C531	3.26 x 10 ⁻⁶ /°C			
Fresh Wet Density	ASTM C138	2106 kg/m ³			
Bond Strength	ASTM C882 Mod By Slant Shear	1 day		28 days	
		6.9 MPa		15.2 MPa	
Setting Time	ASTM C191	Initial: 15 minutes Final: 1 hour			
Colour		Light Grey (when dry)			
Yield @21°C		0.014m ³ per 25 kg bag			
Application Thickness		12 – 150 mm			
Packaging	25 kg bag	50 bags per pallet			

Notes: All above test results are independent third party results. Results for Compressive strength based on 70mm cube samples. The test results listed above are 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.



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