
FLOWLOCK SRM R4 720

STRUCTURAL CONCRETE REPAIR MORTAR

Flowlock SRM R4 720 Structural Repair Mortar is a polymer-modified, fibre-reinforced structural repair mortar for applications up to 40mm thickness per layer. R4 rated (EN1504:3).

The microsilica content creates high resistance to chemical attack and the 3 - 4 hours typical cure time gives good workability for detailed applications.

USES

- Large range of structural concrete repair applications up to 40mm per layer (successive layers permitted)
- Repair and maintenance of buildings damaged by aggressive environments, such as sulphates, acid rain, atmospheric pollution, etc
- Repair of structural concrete damaged by the effects of carbonation
- Structural concrete repair affected by corrosion of reinforcements in marine environments

BENEFITS

- Single component - mix only with water
- Odourless
- 3 - 4 hours typical cure time gives good workability for detailed applications
- Microsilica content in the cement base provides very good resistance to chemical attack, including sulphates
- High resistance to carbonation penetration
- Very high mechanical strength and impact resistance
- Good thixotropy allows applications in successive layers
- Fibre reinforced for additional strength

COVERAGE

10 kg covers approx. 5.5 litres by volume.

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FLOWLOCK
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TECHNICAL DATA

Characteristics of powder	
Appearance and colour	Grey powder
Aggregate size (mm)	0 - 2
Apparent density (kg/m ³)	1.4 ± 0.1
Characteristics of fresh mortar and application conditions	
Mixing water (% weight w/ prod.)	15 ± 1
Application minimum temperature	> 5
Setting time (hours, at 20 °C)	
- Initial	3 - 4
- Final	7 - 8
Characteristics of cure mortar	
Dry density (kg/m ³)	2 ± 0.1
Flexural strength (MPa)	
- 7 days	> 5
- 28 days	> 7
Compressive strength (MPa)	
- 7 days	> 300
- 28 days	> 400
Capillarity, C _m (kg / m ² min ^{0,5})	0.4
Adhesion on concrete at 28 days (MPa)	> 2
Estimated consumption/ thickness	
Minimum and maximum thickness per layer (mm)	5 - 40
Estimated consumption* (kg/ m ² per mm thickness)	1.9

* Depending on porosity, texture and substrate conditions.

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