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# FLOWLOCK M R2 190

## NON-STRUCTURAL CONCRETE REPAIR MORTAR

Flowlock M R2 190 is a Polymer-modified, cement-based repair mortar for non-structural applications, particularly where very thin layers (0 – 3 mm) are required. R2 rated (EN1504:3)

Ideal for applications where a very smooth finish is required for aesthetic purposes.

### USES

- Aesthetic layer over Flowlock Structural Concrete Repair Mortars (SRM range)
- Restoration and levelling of deteriorated surfaces in concrete
- Protective layer over concrete and masonry against mechanical damage
- Thickness per layer: 0 – 3 mm

### BENEFITS

- Very good adhesion to all cement-based substrates
- 1 – 2 hours cure time
- No bonding agent required
- Can be used on vertical surfaces
- Odourless and solvent free
- Mix only with water

### COVERAGE

Estimated coverage: 1.5 kg/m<sup>2</sup> per mm thickness.

Document No. 68492. February 2017.

**FLOWLOCK**  
(division of Rooflock)

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## TECHNICAL DATA

Characteristics of product in powder	
Presentation	Single component
Appearance	Grey powder
Maximum aggregate size (mm)	0.3
Apparent density of powder (kg/l)	1
Characteristics for mixed product	
Mixing water (water weight/product weight, %)	26 ± 2
Consistency of fresh mortar (mm)	174
Application conditions T (°C)	5-25
Pot life at 20°C (min)	40-45
Setting time at 20 °C (min)	
Initial	1 - 2
Final	3 - 4
Characteristics for hardened product	
Density for hardened product after 28 days (kg/l)	1.7
Flexural Strength, EN 1015-11 (MPa)	
7 days	4.95
28 days	27.3
Compressive Strength, EN 1015-11 (MPa)	
7 days	19.2
28 days	27.3
Adherence on concrete (MPa)	1.66
Abrasion resistance. Taber abrasion Test. ASTM D-4060	
Weight loss (g)/Wear Index	
H-22 Wheel, 1 kg load and 500 cycles	4.0/8.0
H-22 Wheel, 1 kg load and 1000 cycles	6.1/6.1
Water absorption by capillarity, EN 1015-18	
Capillarity coefficient, C (kg/m <sup>2</sup> ·min <sup>1/2</sup> )	0.2
Consumption/Thickness	
Consumption (kg/m <sup>2</sup> per mm of thickness)	1.5
Maximum thickness per layer (mm)	3

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