

## Flowfast Rapid Transit Mortar

### Product sheet

#### Product description

Flowfast Rapid Transit Mortar is a 2 component heavy duty repair mortar, based on methyl methacrylate (MMA) resin and designed for cementitious substrates that have a Relative Humidity up to 97% (to BS 8204).

**Note:** The catalyst (hardener) is incorporated within the Filler component.

#### Uses

A fast and durable repair mortar, used to repair damages, holes and imperfections in concrete substrates prior to application of Flowfast Rapid Transit systems. It can also be used as a screed in areas where heavy mechanical and high impact loading is anticipated, in which case the mortar must be coated with a Flowfast Rapid Transit system or Flowfast Rapid Transit Sealer.

Porous substrates should be primed with Flowfast Standard Primer until a continuous resin film is obtained, onto which a light scatter of dried sand or quartz is broadcast.

Make all repairs with Flowfast Rapid Transit Mortar and allow one day before application of the Rapid Transit system to avoid heat build-up affecting the subsequent layers.

For deep repairs, first make a mortar infill to approx. 5 mm below the required level. Re-prime and finish with the mortar to the required level.

#### Environment & Health

Flowfast Rapid Transit Mortar is a solvent free product but has an odour associated with it, ensure adequate ventilation and/or extraction. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken. For more information, please refer to the safety datasheets for the individual components.

#### Mix Ratio

Mix the material using a slow speed drill (300-400 rpm) and helical spinner for 1-2 minutes (until totally homogenous), taking care not to entrain air.

Mix ratios	Quantity	Minimum layer thickness	Maximum layer thickness
Resin component Filler component	1.8 kg 15 kg	4 mm	12 mm
Resin component Filler component Dry pea gravel 3-6mm	1.8 kg 15 kg 10 kg	15 mm	75 mm
			Over 75mm the material should be applied in layers, re-priming the top of the previously cured layer.

## Application temperature

To ensure fluidity, all materials must be preconditioned to 10 - 25°C prior to the application. The recommended substrate temperature is 10 - 25°C, but no less than 0°C and to a maximum of 30°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. For application temperatures below 0°C or above 30°C, please consult the Flowcrete Technical Department.

## Application time/pot life

Ready-mixed product should be used within 15 minutes at a temperature of 20°C. At higher temperatures the application time is shorter.

## Curing time (at 20°C)

The product is fully hardened after 1 hour.

## Colour

Light grey.

## Solids content

Approx. 100 %

## Finish

Satin matt.

## Density

Filler Component approx. 1.3 kg/l.  
Resin Component approx. 0.94 kg/l.  
A+B approx. 2.1 kg/l.

## Storage

6 months in unopened pack.  
Storage temperature between 5°C and 40°C (out of direct sunlight).  
Flash point + 11.5°C.  
Protect from weather and moisture/contaminant ingress.

## Packaging

The product is delivered in the following packs.

Unit	Flowfast Rapid Transit Mortar Resin	Flowfast Rapid Transit Mortar Filler
16.8 kg (8 litres)	1.8 kg	15 kg

**Note:** The catalyst (hardener) is incorporated within the Filler component.

### Technical information on cured product

Density @ 20°C	2.1 kg/l
Compressive strength	75 N/mm <sup>2</sup>
Tensile strength	7.8 N/mm <sup>2</sup>
Elongation 0°C + 50°C	3.3 x 10 <sup>-5</sup> per °C
Elongation at fracture	0.56%
Flexural strength	24 N/mm <sup>2</sup>

*Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.*