

## Flowfast F1 Mortar (blu) (Standard Grade, 0 to +30°C)

### Product sheet

#### Product description

Flowfast F1 Mortar is a 2 component, ready to use, repair mortar, based on methyl methacrylate (MMA) resin and designed for cementitious substrates that have a Relative Humidity up to 95% (to BS 8204). The catalyst is included in the Filler component.

**Note:** This material is supplied in blue tins.  
Do not use Standard Grade components with Cold Grade components.

#### Uses

A fast and durable repair mortar, used to repair damages, holes and imperfections in concrete substrates. Can be used in machine bases, joint arises, drill and bolt holes etc.

**Note:** The substrate must be surface dry, firm, solid and free of dust, fat, oil and laitance. All loose particles must be removed. Porous substrates should be primed with Flowfast Standard Primer (blu) until a continuous resin film is obtained, onto which a light scatter of dried sand or quartz is broadcast.

The product is applied by trowel or wooden float at a thickness of 6 to 25mm. For layer thicknesses greater than 25mm, see section on mix ratios.

#### Environment & Health

Flowfast F1 Mortar (blu) 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.

#### Application temperature

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, use Flowfast F1 Mortar (blu) Cold Grade, 0 to -20°C.

#### 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 30 minutes.

#### Colour

Grey

#### Finish

Eggshell.

#### Solids content

Approx. 100 %

## Density

Powder Component approx. 1.3 kg/lit.

Liquid Component approx. 0.94 kg/lit.

## Storage

6 months in unopened pack. The date of manufacture is given on the label in the format xxxxxx-140708C3, where the date is 2014 July 8<sup>th</sup>. xxxxxx and C3 are internal codes.

Storage temperature between 5°C and 30°C (out of direct sunlight).

Protect from weather and moisture/contaminant ingress. Flash point + 11.5°C.

## Packaging

The product (liquid + powder) is delivered in the following packs.

Unit	Flowfast F1 Mortar (blu) Standard Grade Resin	Flowfast F1 Mortar (blu) Standard Grade Filler
20 kg (9.5 litres)	2.2 kg	17.8 kg

**Note:** This material is supplied in blue tins.

## Technical information on cured product and mix ratios for minimum layer thickness

Density @ 20°C	2.12 kg/l	DIN 53479
Compressive strength	100 N/mm <sup>2</sup>	DIN 53454
Tensile strength	16.5 N/mm <sup>2</sup>	DIN 53455
Elongation at fracture	0.3%	
Flexural strength	28 N/mm <sup>2</sup>	DIN 53452, 64mm

Mix ratios for Flowfast F1 Mortar	Quantity (kg)	Minimum layer thickness (mm)
Powder component Liquid component	17.8 2.2	6
Powder component Liquid component Dry quartz sand 2-8mm	17.8 2.2 8	25
Powder component Liquid component Dry quartz sand 2-8mm Dry quartz aggregate 8-16mm	17.8 2.2 3 12	50
Powder component Liquid component Dry quartz sand 2-8mm Dry quartz aggregate 8-16mm Dry quartz aggregate 16-32mm	17.8 2.2 4.8 6.4 8	120

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