

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

### Product sheet

#### Product description

Flowfast SL Mortar is a 2 component, self-levelling flooring and 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 Flowfast SL Mortar grade components with Flowfast F1 Mortar components.

#### Uses

A fast and durable self-levelling flooring and 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 SL 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.

#### 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	Finish	Solids content
Grey	Eggshell	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 SL Mortar (blu) Resin	Flowfast SL Mortar (blu) Filler
16.9 kg (8.0 litres)	1.9 kg	15.0 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	105.7 N/mm <sup>2</sup>	ASTM C 109 M-01
Tensile strength	16.5 N/mm <sup>2</sup>	ISO 527
Elongation at fracture	0.3%	
Flexural strength	28 N/mm <sup>2</sup>	DIN 53452, 64mm

The Flowfast SL Mortar powder component must be mixed with Flowfast SL Mortar liquid component to create a homogenous mixture, which can be applied with a trowel or wooden float at a minimum thickness of 6 mm.

The proportions of the mixture in parts weight liquid: powder is 1 : 8 and the proportions of the mixture in parts volume liquid: powder is 1 : 5.8. These weight and volumetric ratios must always be respected, especially if partial mixes are made (although we do not recommend making partial mixes).

When the mixture is too liquid for application, up to 15% (based on the total weight) Flowfast SNL powder can be added.

When applying the Flowfast SL Mortar in layer thickness greater than 25 mm, the following mix ratios should be used:

Mix ratios for Flowfast SL Mortar	Quantity (kg)	Minimum layer thickness (mm)
Powder component Liquid component	15.0 1.9	6
Powder component Liquid component Dry quartz sand 2-8mm	15.0 1.9 6	25
Powder component Liquid component Dry quartz sand 2-8mm Dry quartz aggregate 8-16mm	15.0 1.9 2 9	50

*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.*