

Flowfast F1 Mortar Standard Grade (wht) (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 97% (to BS 8204).

Note: Material is delivered in white coloured tins.
Formerly named Flowfast F1 Mortar Standard Grade (new).

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. 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.

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

Note: Do not use a Cold Grade component with a Standard Grade component.

Environment & Health

Flowfast F1 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.

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. Temperatures should not fall below 0°C in the 24hrs after application.

For application temperatures below 0°C, use Flowfast F1 Mortar Cold Grade (0 to -25°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

The product is fully hardened after 60 - 90 minutes at 20°C.

Finish / Colour

Eggshell, Medium Grey (near to RAL 7030)

Solids content

Approx. 100 %

Density

Filler Component approx. 1.35 kg/lit.

Resin Component approx. 0.93 kg/lit.

Storage

6 months in unopened pack. Storage temperature between 5°C and 30°C (out of direct sunlight).

Flash point + 10°C.

Protect from weather and moisture/contaminant ingress.

Packaging

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

Unit	Flowfast F1 Mortar	Standard Grade
	Resin	Filler
20 kg	2.2 kg	17.8 kg

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

Property	Approx Value	Test
Density @ 20°C	2.1 kg/l	DIN 53 479
Compressive strength	74.5 N/mm ²	DIN 1164
Tensile strength in bending	27 N/mm ²	DIN 1164

* The figures given in the table above are typical values obtained in laboratory testing.

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 2-8 mm	17.8 2.2 9.5	25
Powder component Liquid component Dry quartz sand 2-8 mm Dry quartz aggregate 8-16 mm	17.8 2.2 3.6 14.2	50

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