

## Flowfast Ceramic/Metal Primer (wht)

### Product sheet

#### Product description

A 3-component low viscosity methyl methacrylate (MMA) based primer for metal (e.g. iron, aluminium, stainless steel) and ceramic tile substrates. Flowfast Ceramic/Metal Primer will bond to surface dry substrates that have a Relative Humidity up to 95% (to BS 8204).

**Note:** Material is delivered in white coloured tins. Formerly named Flowfast Ceramic/Metal Primer (new).

#### Uses

For priming of metal and ceramic substrates, prior to overcoating with Deckshield Rapide or Flowfast resin toppings. Flowfast Ceramic/Metal Primer is not suitable for non-ferrous heavy metals and Zinc. Glazed surfaces must be removed from tiles before applying the primer (e.g. by diamond grinding or shot blasting). Loose tiles and tiles over hollows must be removed. Steel substrates must be prepared to SA 2.5 (to DIN 55929).

#### Environment & Health

Flowfast Ceramic/Metal Primer 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.

#### Ratio of components (by weight of Flowfast Ceramic/Metal Primer Resin)

Temperature	Flowfast Ceramic/Metal Primer Additive	Flowfast Catalyst (within 2 hrs)	Pot life (approx.)	Curing time (approx.)
30°C	0.3% and mix	2%	8 minutes	25 minutes
20°C	0.3% and mix	3%	10 minutes	30 minutes
10°C	0.3% and mix	4%	12 minutes	45 minutes
0°C	0.3% and mix	5%	20 minutes	60 minutes

1g Flowfast Catalyst = 1.57 cm<sup>3</sup> (1 cm<sup>3</sup> Flowfast Catalyst = 0.64 g)

Add Flowfast Ceramic/Metal Additive at 0.3% by weight of the Primer resin, mix and immediately add the required amount of Flowfast Catalyst to the resin and Additive mix. Mix with a slow speed drill and helical spinner, taking care not to entrain air. Exceed the minimum application layer thickness to allow a continuous, unbroken resin film, which ensures full through cure. Re-apply a further layer if glossy or tacky patches are apparent after cure.

When applying thicker section or filled coatings, a light scatter of fine dry quartz must be applied into the wet primer to provide a mechanical key and to ensure that the coating is not applied too thinly; this prevents curing or adhesion problems in the coating.

When applying thin section coatings to the primer layer, no quartz scatter is required. However, the coatings must be applied to primer within 4-6 hours to prevent adhesion problems.

It is important to work with freshly mixed material; only mix enough that can be applied within the pot life guidelines given above.

**Note:** Once Flowfast Ceramic/Metal Additive is added to the resin, it must be mixed with the Catalyst within 2 hours or the adhesion promoting properties will be lost.

**Note:** Do not add more than 0.3% by weight of the Flowfast Ceramic/Metal Additive – higher dosages will lead to curing problems.

### 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, please consult the Technical Department.

### Colour

Transparent

### Solids content

Approx. 100 %

### Density

Approx. 1.00 kg/litre.

### 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 is delivered in the following packs:

	Flowfast Ceramic/Metal Primer Resin	Flowfast Ceramic/Metal Primer Additive
25 kg	25 kg	100 g
180 kg	180 kg	1 kg

**Note:** 25 kg of the resin requires 75 g of Additive at 0.3% addition rate.  
180 kg of the resin requires 540 g of Additive at 0.3% addition rate.

*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.*