

Flowfast Rapid Transit Sealer (catalyst to be added)

Product sheet

Product description

A 3-component, UV-resistant, low viscosity methyl methacrylate (MMA) based sealer.

Uses

Flowfast Rapid Transit Sealer is used as the sealer for Flowfast Rapid Transit SR system.

A permanent water loading can result in a white discolouration of the Flowfast Rapid Transit Sealer. Therefore, always gather waste or flowing water (particularly hot) into channels and convey into a proper drainage system. Provide for a sufficient number of gullies.

Environment & Health

Flowfast Rapid Transit Sealer 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 Rapid Transit Sealer)

| | | per 5 kg resin pack | |
|--------|--------------------------|---------------------|-------------------------------------|
| @ 30°C | add 1% Flowfast Catalyst | 50 grams | 1 cm ³ Catalyst = 0.64 g |
| @ 20°C | add 2% Flowfast Catalyst | 100 grams | |
| @ 10°C | add 4% Flowfast Catalyst | 200 grams | 1g Catalyst = 1.57 cm ³ |
| @ 0°C | add 5% Flowfast Catalyst | 250 grams | |

Add the required amount of Catalyst to the resin and mix for 1–2 minutes with a slow speed drill (300 - 400 rpm) and helical spinner (taking care not to entrain air). Immediately add the Filler, ensuring that all is mixed in from the sides of the container and mix for 1 - 2 minutes until homogeneous.

Apply the sealer coats using a long-pile synthetic roller (high quality, fluff free). Exceed the minimum application layer thickness to allow a continuous, unbroken resin film, which ensures full through cure (0.3 kg/m² minimum to a maximum of 0.5 kg/m²) depending on the Flowfast Rapid Transit system to which it is applied). Re-apply a further layer if glossy or tacky patches are apparent after cure.

It is important to work with freshly mixed material; only mix enough that can be applied within 10 minutes.

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.

Finish

Satin matt.

Colour

Neutral (semi-transparent), Flowfast pigment can be added on site.
(Recommended addition rate 5 – 10 % by weight of resin and dependant on colour.)
Coloured, see the Flowfast Rapid Transit SR system data sheet for the colours.

Solids content

Approx. 100 %

Density

Resin approx. 1.0 kg/l.
Mixed product approx. 1.2 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:

Note: Flowfast Catalyst is supplied separately in 2 kg and 25 kg packs, use as required.

| Unit | Flowfast Rapid Transit Sealer Resin | Flowfast Rapid Transit Sealer Filler – colour or neutral |
|----------------------|--|--|
| 10.4 kg (8.7 litres) | 5 kg | 5.4 kg |

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