

Flowfast Hard Seal (blu)

Product sheet

Product description

A 2-component, hard, UV-resistant, low viscosity methyl methacrylate (MMA) based sealer for Flowfast floor coatings. In its liquid state it is blue/violet in colour, which is no longer visible after polymerisation (curing).

Note: This material is supplied in blue tins.

Uses

Flowfast Hard Seal is used as a very hard surface sealer, primarily in Flowfast systems with decorative aggregates and flakes (e.g. Flowfast Quartz, Flowfast Quartz Scatter and Flowfast Flakes). Flowfast Hard Seal is particularly suited in dry areas where high resistance to abrasion and chemicals is essential.

A permanent water loading can result in a white discolouration of the Flowfast Hard Seal 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. In such service conditions we generally recommend the use of Flowfast Flexible Seal or a combination of Flowfast Flexible Seal and Flowfast Standard Seal.

Environment & Health

Flowfast Hard Seal 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 Hard Seal)

@ 30°C	add 1.0% Flowfast Catalyst	1 cm ³ Flowfast Catalyst = 0.64 g
@ 20°C	add 1.5% Flowfast Catalyst	
@ 10°C	add 3.0% Flowfast Catalyst	1g Flowfast Catalyst = 1.57 cm ³
@ 0 to -10°C	add 5.0% Flowfast Catalyst	

Add the required amount of catalyst to the resin. Mix with 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.

Application temperature

The recommended substrate temperature is 0 - 25°C, but no less than -10°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 -10°C, please consult the 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 30 minutes.

Colour

Transparent

Solids content

Approx. 100 %

Finish

Eggshell.

Density

Approx. 1.0 kg/litre.

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 8th. xxxxxx and C3 are internal codes.

Storage temperature between 5°C and 30°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.

Unit Flowfast Hard Seal (blu)

50 kg (50 litres)

180 kg (180 litres)

Note: This material is supplied in blue tins.

CE Mark

Flowfast Hard Seal was tested as part of the Flowfast Quartz system (as a sealer).

See the Declaration of Performance for details.

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.