

## Flowfast Membrane (blu)

### Product sheet

#### Product description

A 2-component, medium viscosity, urethane-modified, pre-formulated 100% solids resin binder based on acrylic monomers.

**Note:** This material is supplied in blue tins.

#### Uses

Flowfast Membrane is designed as a simple to apply, highly elastomeric liquid waterproofing membrane and coating, for outdoor or indoor use. The cured product is a very flexible, crack-bridging coating that is crack-bridging even when the temperature reaches below -20°C. It is mainly used for:

- The waterproofing of Pedestrian or Vehicular trafficked areas (Balconies, Car Parks etc.).
- The protection and waterproofing of Stadium Terracing.
- The waterproofing of containment structures including reservoirs, waste and contaminated material storage structures.

Flowfast Membrane can be applied at a whole range of ambient and substrate temperatures (-10°C to +35°C) onto cementitious based screeds, concrete, filled bitumen/asphalt, metal, ceramic tile and wood substrates.

Flowfast Membrane contains a UV protective barrier. When exposed to direct sunlight over time slight colour shading may occur. In such applications the use of a surface sealer is recommended.

In general, coatings based on Flowfast Membrane should be coated with a flexible sealer such as Flowfast Flexible Seal.

#### Environment & Health

Flowfast Membrane 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 Membrane)

@ 30°C	add 1% Flowfast Catalyst	1 cm <sup>3</sup> Flowfast Catalyst = 0.64 g
@ 20°C	add 2% Flowfast Catalyst	
@ 10°C	add 4% Flowfast Catalyst	1g Flowfast Catalyst = 1.57 cm <sup>3</sup>
@ 0 to -10°C	add 6% 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.

#### 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 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 60 minutes.

### Colour

Natural

### Solids content

Approx. 100 %

### Finish

Eggshell.

### Density

Approx. 1.2 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 8<sup>th</sup>. 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 Membrane (blu)  
25 kg           (21 litres)

**Note:**        This material is supplied in blue tins.

### Technical information on cured product

#### Samples tested at 20°C

Shore A hardness	> 85	NFP 98285
Shore D hardness	55	DIN 53505
Tensile Strength	11.0 N/mm <sup>2</sup>	DIN 53455
Elongation	> 300 %	DIN 53455
Modulus of elasticity	5.60 N/mm <sup>2</sup>	DIN 53457
Abrasion 1000 cycles	64 mg	ISO 7784-2
Static crack-bridging	> 1.5 mm	TR- 013 ETAG 005

#### Samples tested at -20°C

Tensile Strength	24 N/mm <sup>2</sup>	ISO 527 100mm/min
Elongation	107 %	ISO 527 100mm/min
Static crack-bridging	> 1.5 mm	TR- 013 ETAG 005

*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.*