

## Flowshield fx

### Product sheet

#### Product description

Flowshield fx is a 3-component, solvent-free, resin system based on a clear epoxy resin binder, combined with decorative coloured particles. The product has good resistance to light and a high resistance to chemicals. Flowshield fx is completely crystallisation-free.

#### Uses

Flowshield fx is used to protect concrete where requirements have been set for improved durability to withstand both mechanical and chemical stress. The finished surface becomes smooth, impermeable, and easy to clean. Flowshield fx is a self-levelling system with decorative fleck, applied in coats of 2 mm.

#### Environment & Health

Flowshield fx is a solvent and nonylphenol free product, and practically odourless during application. 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

3.74 parts of component A are mixed with 1 part of component B, and 4.74 parts of component C by weight. The product is supplied in full units as A+B+C. Do not split the compounds/components as this may jeopardise the end result.

Add all of Hardener B to Base A and mix for 2 minutes into a homogenous mixture.

Then pour the mixture into a clean bucket and mix again for 1 minute; this is to prevent unmixed parts on the edge and/ or bottom of the bucket.

Add the Filler C component to the mixture, whilst mixing and continue mixing for 2 minutes.

Ensure that all Filler is mixed in from the sides of the container and fully dispersed throughout the mix. Mix with slow speed drill and helical spinner, taking care not to entrain air.

#### Application temperature

The recommended substrate & air temperature is 15 - 25°C, but not exceeding 25°C and no less than 10°C.

The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening.

Temperatures should not fall below 5°C in the 24 hrs after application.

Ambient humidity should be below 70% RH during application and cure.

#### Application time/pot life

Ready-mixed product should be used within 45 minutes at a temperature of 20°C.

At higher temperatures the application time is shorter.

**Note.** Use the mixed material immediately to avoid reduction in flow and de-aeration properties.

### **Curing time (at 20°C)**

Touch dry after 8 hours

Can be walked and overcoated on after 16 hours.

Maximum overcoat time 24 hours.

The product is fully hardened after 5-7 days.

Moisture, dew and high humidity in the early stages of cure can result in white, matt surfaces (blooming).

Do not cover or wash within the first 24 hours of curing.

### **Colours**

See System Datasheet

### **Solids content**

Approx. 100 %

### **Finish**

Requires sealing with Flowshield fx Matt Sealer achieve improve scratch resistance, wear and slow the discoloration due to heat and UV light.

### **Density**

A+B approx. 1.0 kg/l.

A+B+C approx. 1.37 kg/l.

### **Storage**

12 months in unopened pack.

Storage temperature between 5 and 30°C.

Protect from weather and moisture/contaminant ingress.

### **Packaging**

The product is delivered A+B+C in the following packs:-

Unit		Flowshield fx Base A	Flowshield fx Hardener B	Flowshield fx Filler C
25 kg	(18.2 litres)	10.65 kg	2.85 kg	11.5 kg

### **CE Marking** – see the Declaration of Performance for details

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