

Flowcem VS

Vertical Skim Epoxy Topping

Description

Flowcem VS is a three component water dispersed epoxy modified cement, sealing mortar.

Uses

Suitable for smoothing porous and pitted concrete surfaces, and fill blow holes prior to the application of epoxy systems. May be applied internally or externally on vertical and horizontal surfaces. Can be used as a moisture barrier.

Benefits

- Simple to apply and economical. Wash up with water.
- Solvent Free.
- Can be over coated with Ivory epoxy after 18 hours.
- Can be applied on damp or green concrete.
- Permeable to water vapour, yet good water resistance.
- Excellent adhesion onto steel & concrete.
- Excellent strength development within 24 hours.
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- Corrosion protection of reinforced steel.

Mixing

Mixing of the material is to be done with a mechanical mixer such as a drill and spiral mixer blade. First mix the activator into the epoxy thoroughly, then add this mix into a suitable, clean mixing vessel and add the powder, mix thoroughly to a smooth, lump free consistency. Minimum 2 minutes.

Application

Apply the mix into the prepared substrate by mechanical spray or trowel. Typically applied in two coats 1st coat using notched trowel, 2nd coat using smooth steel trowel. Ensure uniform thickness. Leave to cure for 24 hours before applying a suitable / applicable top coat.

Limitation

Application thickness of 2mm to be conducted for use as a temporary moisture barrier.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Number of components:	3
Mixing ratio:	Mix as supplied
Pot life:	30 minutes
Mixed density:	2.0Kg / ℓ
Kit yield:	9.26ℓ
Curing time:	
Initial set:	4 hours @ 20°C
Walk on time:	18 hours at 20°C
Full cure:	7 days
Compressive strength	28 days: 40N/mm ²
Application:	3ℓ / m ² at 3mm
Application temperature:	
Min:	8°C
Max:	30°C
Service temperature:	
Wet:	Max 50°
Dry:	Max 90°
Colour:	Concrete Grey
Shelf Life:	6 months
Cleaner:	Water

Important Note

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

Preparation

Concrete surfaces must be structurally sound, free from laitance, oil, grease or release agents. Following preparation high pressure wash thoroughly and free standing water must be removed. Concrete substrates are to be pre-dampened prior to the application of Flowcem VS.

Health & Safety Precautions

If Flowcem VS is accidentally splashed into the eyes or mouth, flush immediately with clean water. If swallowed accidentally, seek medical attention immediately.