

BLUSKY™ FLOW POXYCOTE PRIMER

Solvent Free Epoxy Resin Based Penetrating Primer

Description

FLOW POXYCOTE-PRIMER is a low viscosity, solvent free, penetrating, two component epoxy based primer for concrete floors and walls generally used prior to application of **FLOW POXYCOAT** range of epoxy mortar or high build coatings like polyurethane and polyuria coatings and SPF.

Pack –A: Resin, Pack –B: Hardener

Indicative Characteristics

Appearance of cured film	Transparent
Specific Gravity at 27°C	1.08 ± 0.03
Solid content, % (w/w)	>98
Mixing Ratio, Pack –A:B (by wt.)	2:1
Pot life, minutes at 27°C, 100 g mass	40-50
Application Temperature, °C	5 to 40
Coverage (Theoretical)	0.2-0.3 kg /m ² per coat depending surface porosity
Initial cure at 27°C, for pedestrian traffic	After 24hours
Pull out Bond Strength, at 7 days, N/mm ²	2 (minimum) or concrete failure
Full cure, days	7
Slant-shear Bond Strength, at 7 days, N/mm ² ASTM C882	2.8, concrete failure
Full cure, days	7

Domains of Application

FLOW POXYCOTE-PRIMER is primarily designed for priming concrete and cement-sand mortar surfaces prior to application of **FLOW POXYCOTE 525 / FLOW POXYCOTE -418 and/or FLOW POXYCOAT range of epoxy mortar**. This can also be used as sealer coat for concrete floor to make it dust free, non absorbent, easily cleaned surface where only foot traffic is present.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users Consult the latest update of the technical data sheet on our website www.bluskyscpl.com

Method of Application

Surface Preparation

Floor should be sound, clean and dry for successful coating application to ensure maximum bonding between the substrate and flooring system. Moisture content of substrate surface should not be **more than 5%**. Clean the surface by scrubbing followed by thorough water wash and wire brushing to remove laitance, dust, grease, paint, etc. followed by air drying. As the case may be, light sand blasting, detergent wash and /or acid etching may also be done. The choice of surface preparation should be determined by the nature and extent of contaminants present on the concrete surface. Damaged or uneven areas, cracks etc. should be made good.

Mixing

A suitable power driven mixer / stirrer is recommended for uniform mixing of **FLOW POXYCOTE-PRIMER**. Stir the base and hardener separately. Add hardener into the base and stir well till a uniform color is achieved. Wait for 5 minutes for induction and to release entrapped air from the epoxy mix. Remix the mass again before apply it. All packs are pre-weighed and readyfor onsite mixing. Do not use fraction of any **PACK**. Always usewhole packs for best results.

Application

The product may be applied by a soft nylon brush, roller or airless spray machine. If the concrete surface is very porous, two coats may be required to seal all surface pores otherwise air bubbles may appear on the next coat. While application, the substrate temperature should be at least 5°C and 3°C above dew point but not above 40°C.

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Advantages

- Excellent surface penetration promotes very good bonding between concrete and subsequent layer
- Can be applied by brush or roller
- Very good moisture barrier property
- Green product, No VOC.

Shelf Life & Storage

12 months from the date of manufacturing when stored in unopened, original sealed and dry condition at a temperature range from +5°C to 40°C

Packing

3 kg kit

Precautions

- Store the material at the 5° to 40°C temperature range in shaded cool place and keep it away from fire and any heated body. Clean all tools with MEK or any standard solvent before polymerization starts.
- Mix only sufficient materials for immediate requirements. Leave the mixed material to stand for 5-8 minutes to enable entrapped air, if any, to escape from the mix and then use as quickly as possible.

Safety

- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Before use, refer to the Material Safety Data Sheet. The MSDS is available on www.bluskyscpl.com

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