

BLUSKY™ FLOW POXYCOTE SCREED

Solvent Free Epoxy Resin Based Screed and Covingproduct For Floor Covering

Description

BLUSKY™ FLOW POXYCOAT-SCREED is a high build three component solventfree epoxy floor covering system with high chemical and abrasion resistance property. It provides non-dusting, easily cleaned anti-skid floor finish.

Pack –A: Base, Pack –B: Hardener, Pack-C: Graded Filler.

Indicative Characteristics

Appearance of cured film	Brownish off white, close textured smooth finish
Specific Gravity at 27°C	1.9 ± 0.2
Mixing ratio by wt., (A:B:C)	2:1:18
Pot life, minutes at 27°C, 1kg mass	40 -50
Application Temperature, °C	5 to 40
Coverage (Theoretical)	1.8 – 2.0 kg /mm/m ² thickness
Coverage for Coving (Theoretical)	7.5 cm x 7.5 cm: 4-5kg/ Running meter 5cm x 5cm: 2-2.5kg/ Running meter
Initial cure at 27°C, for pedestrian traffic	After 24hours
Compressive Strength, at 7 days, N/mm ² at 27°C	70 (minimum)
Full cure, days	7
Recommended Thickness, mm	4-10

Domains of Application

BLUSKY™POXYCOAT-SCREED is seamless protective floor topping and coving product used in industries with medium to high vehicular traffic like power plants, pharmaceutical & fertilizer industries, bottling plants, warehouses, breweries, garages, machine shops, chemical plants, dairies, refineries, subways, etc. In areas where high degree of cleanliness is required **FLOWPOXY COAT 525 / FLOWPOXY COAT-418** shall be used as top coat with desired color finish.

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 the **BLUSKY™FLOW POXYCOAT-SCREED**. Stir the base and hardener separately. Mix hardener gradually into the base under continuous stirring as per the stated mixing ratio. Continue the mixing for 3-4 minutes. Mix the aggregates into the mixed resin portion uniformly under continuous mechanical agitation. Mix well for 5-6 minutes till the components become homogeneous.

Application

The product shall be spread by steel trowel to the required thickness. The entire mixed material should be placed on to the **primed surface (use POXYCOTE-PRIMER)** and spread slowly and evenly when the primed surface is still slightly tacky. Material shall be stamped with a wooden /steel float to get maximum compaction after spreading of **BLUSKY™FLOW POXYCOAT-SCREED**. While application, the substrate temperature should be at least 5°C but not above 40°C. Ensure all existing expansion joints are continued through the **BLUSKY™FLOW POXYCOAT-SCREED**.

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Advantages

- Very high mechanical strength
- Very good abrasion and wear resistance
- Resistant to most of industrial chemicals
- Very good anti-skid property for vehicular and foottraffic
- High impermeability to water and industrial oils
- Seamless application- does not support bacterialgrowth

Shelf Life & Storage

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

Packing

21kg kit. Pack- A (Resin): 2kg, Pack-B (Hardener):1kg, Pack-C (Filler): 18kg

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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