

BLUSKY™ FLOW POXYCOTE 525

Solvent Free Self-Leveling Epoxy Floor Coating system

Description

FLOW POXYCOTE-525 is a high build four component solvent free self-leveling epoxy floor coating system with high chemical and abrasion resistance property. It provides non-dusting, easily cleaned, glossy floor finish. **FLOW POXYCOTE-525** is available in 3 grades depending on thickness.

For

- A) 1mm glossy finish: **FLOW POXYCOTE-525-1;**
- B) 1.5-2 mm glossy finish: **FLOW POXYCOTE-525-2;**
- C) 2-3mm semi glossy finish: **FLOW POXYCOTE-525-3**

Pack –A: Resin, Pack –B: Hardener, Pack-C: Graded Filler & Pack-D: Pigment Paste.

Indicative Characteristics

Appearance of cured film	Glossy to semi glossy with various shades of colors
Specific Gravity at 27°C	1.65 ± 0.05
Pot life, minutes at 27°C, 1kg mass	35-45
Application Temperature, °C	5 to 40
Coverage (Theoretical)	1.6-1.7 kg /mm/m ² thickness depending surface leveling
Initial cure at 27°C, for pedestrian traffic	After 24hours
Pull out bond Strength, 7 days, N/mm ²	2 (minimum) or concrete failure
Compressive Strength, at 7 days, N/mm ²	50 (minimum)
Full cure, at 27°C, days	7
Recommended Thickness, mm	1-3

Domains of Application

FLOW POXYCOTE-525 is seamless protective floor topping used in industries with medium to high vehicular traffic like power plants, exhibition halls, shops, pharmaceutical & fertilizer

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industries, bakeries, show rooms, bottling plants, warehouses, breweries, garages, dairies, hospitals, refineries, subways, electronics & computer industries, etc.

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-525**. Stir the base and hardener separately. Add pigment paste to the base container and mix for 20-40 seconds or until a homogeneous color is obtained. Add hardener into the base and stir well till a uniform color is achieved. Add slowly the aggregates into the mixed base and continue mixing till (2-3minutes) a smooth homogeneous mass is obtained. 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 ready for onsite mixing. Do not use fraction of any **PACK**. Always use whole packs for best results.

Application

The product may be applied by a notched/smooth steel trowel to the required thickness. The entire mixed material should be poured on to the primed or epoxy screed surface within 24-36 hours after application of primer or screed and spread slowly and evenly. To ensure proper leveling and appearance avoid overspreading. The laid material should be rolled firmly with a spike roller to ensure compactness and de-aeration of the film. 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

- Self-leveling property with very high Bond and Adhesive strength
- Good abrasion resistance and Chemical resistance – mostly industrial chemicals.
- Clean and hygienic seamless glossy surface

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

	POXYCOTE-525 -1 13kg	POXYCOTE-525 -2 16kg	POXYCOTE-525-3 18kg
Pack-A, kg	4.0	4.0	4.0
Pack-B, kg	2.0	2.0	2.0
Pack-C, kg	6.6	9.6	11.6
Pack-D, kg	0.4	0.4	0.4

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.

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.

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

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