

DURANILE FLOGUARD EPR 100

Solvent Free clear Epoxy Two-Component Primer

Product Description:

DURANILE FLOGUARD EPR 100 is a two-component, 100% solids epoxy-based primer designed for use as the base coat in multi-layer flooring systems. It penetrates deeply into porous substrates, providing excellent adhesion to concrete and cementitious surfaces. The solvent-free formulation makes it ideal for use in enclosed or poorly ventilated areas.

Features & Benefits:

Excellent Adhesion: Strong bond to concrete and other cementitious substrates.

Low Viscosity: Deep penetration into porous surfaces, improving substrate sealing.

Compatible: Suitable for use with various epoxy, polyurethane, and polyaspartic top coats.

Uses :

DURANILE FLOGUARD EPR 100 is used as a primer layer in flooring systems for:

- Industrial floors and warehouses
 - Food and beverage processing plants
 - Hospitals and pharmaceutical facilities
 - Commercial kitchens and clean rooms
 - Car parks and garages
 - Mechanical and plant rooms
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Instructions for use :

1) Surface Preparation:

- Ensure the substrate (concrete or floor surface) is clean, dry, and free from any oils, grease, or contaminants.
- The fresh concrete must be at least 28 days old and the moisture content not more than 5 %.
- Surface should be prepared by light sanding or shot blasting for optimal adhesion.
- If applying over existing coatings, ensure they are well-bonded and free of any dust or loose material.
- Fill the gaps and cracks by using **FLOGUARD EPR 100** with **FLOGUARD GF 40**.

2) Application Method:

- **Mixing:** Add the Cure part while the mixer is working and stir with mechanical stirrer thoroughly for 3 minutes until uniform.
- **Application**
 - **Primer** : Apply using a brush, roller, or airless spray system. A roller or squeegee is recommended for large surface areas.
 - **Scratch coat** : Mix **FLOGUARD EPR 100** (Resin + Cure) with **FLOGUARD GF 10** and apply the scratch coat by using trowel.
- **Drying Time:**
 - Surface Dry: 6 hours at 25°C.
 - Over coat : 24 hours

Temperature: Ideal application temperature is between 10°C - 30°C.

Technical specifications :

Color	Transparent	
Solid content	100 %	
Density	1.1 g/cm ³	
Theoretical Coverage	6 m ² / Kg / coat 150 micron	
Curing Time	Surface Dry	: 8 hours
	Recoating time	: 24 hours
	Full cure	: 7 days
Pot Life	40 minutes at 25°C	

Packing:

Available in 10 kg and 20 kg kits (Resin + Cure).

Storage and shelf life :

- 12 months in original tightly closed containers away from direct sunlight and excessive heat

Disclaimer:

The above information is provided to the best of our knowledge. The user must conduct their own tests and trials before full application. The company assumes no responsibility for the misuse or misapplication of the product.

Precautions :

To ensure optimal performance and safety during the application of the epoxy top coat, the following precautions must be observed:

Surface Preparation:

Ensure the substrate is clean, dry, sound, and free from dust, oil, grease, laitance, and other contaminants. Moisture content must be below the manufacturer's recommended limits.

Mixing:

Mix the resin and hardener components thoroughly and in the correct ratio as specified. Inadequate mixing can result in poor curing and reduced performance.

Environmental Conditions:

Apply only when ambient and substrate temperatures are within the specified range (typically between 10°C and 35°C), and relative humidity is below 85%. Avoid application when condensation is present or may occur before curing.

Ventilation:

Ensure adequate ventilation during application and curing, especially in enclosed areas, to avoid accumulation of solvent vapors and to facilitate proper drying and hardening.

Application Tools:

Use clean, appropriate tools such as rollers, squeegees, or spray equipment. Contaminated or worn tools can affect finish quality and coverage rate.

Pot Life & Working Time:

Monitor pot life closely. Do not apply the material after it has begun to thicken or gel, as this can compromise adhesion and finish.

Overcoating Time:

Follow recommended recoat windows strictly. Applying subsequent coats too early or too late can lead to adhesion failures.

Personal Protection:

Wear appropriate personal protective equipment (PPE), including gloves, goggles, and respiratory protection when necessary. Refer to the Safety Data Sheet (SDS) for full safety guidelines.

Disposal:

Dispose of unused material, packaging, and contaminated tools in accordance with local regulations. Do not pour excess material into drains or waterways.