

# DANOFLOOR PRIMER EP



## Epoxy Based Primer

### DESCRIPTION

**DANOFLOOR PRIMER EP** is specially formulated two component epoxy primer suitable for application on various substrates for promoting adhesion of Epoxy, Polyurethane & Polyurea coatings and flooring systems.

### ADVANTAGES

- Low exothermic in nature
- Extended workability and pot life
- Bonds strongly with the concrete, masonry, epoxy and polyurethane screeds, top coats and other substrates
- Non-blushing in humid and low temperature environments

### USES

**DANOFLOOR PRIMER EP** is used

- To promote adhesion of TIKIDAN epoxy, polyurea, and polyurethane range of coatings, floorings and repair mortars with various substrates including cementitious, metals, epoxies, polyurethane & polyureas.
- To seal substrate pores and bind loose particles on substrates enhancing the adhesion of subsequent coatings / toppings.
- As primer / sealer coat over the TIKIDAN epoxy and cementitious underlays, before application of polymeric overlays.

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

All surfaces should be sound, clean, and dry, free from cracks, honeycombs, oil, grease, laitance and loose particles.

Newly laid cementitious systems should be at least 28 days old.

### APPLICATION

Gradually mix **DANOFLOOR PRIMER EP Resin** component and **DANOFLOOR PRIMER EP Hardener** component for 3 to 5 minutes until it becomes homogeneous. Apply mixed component immediately by stiff brush / roller / trowel in thin continuous film. Allow primer to dry.

Porous substrate may require two coats of primer. Second coat applied perpendicular to first dried coat.

### CLEANING

Immediately after application of **DANOFLOOR PRIMER EP**, use suitable aromatic solvent for cleaning application tools.

### PROPERTIES OF COMPONENTS

Property	Part A	Part B
Type	Resin	Hardener
Colour/Appearance	Yellowish Clear Liquid	Brownish Clear Liquid
% Solids at 120°C	>60	>80
Viscosity at 25°C	450 to 650 mPa.s	3000 to 6000 mPa.s

### APPLICATION DATA

Mix Ratio, PBW RESIN : HARDENER	100 : 50
Pot life at 25°C	1.5 to 2.0 hrs approx..
Theoretical Coverage per Coat*	6 to 8 m <sup>2</sup> /Kg. @80 to 100 micron d.f.t
Curing Time Touch Dry Recoating Time	6 to 8 Hours 12 to 16 Hours

\*Coverage is approximate and it depends upon the site conditions and surface porosity at the time of application.

## PROPERTIES OF APPLIED PRODUCT

Properties	Value	Standard
Mix Density at 25°C	1.11g/ml	IEC 455
Bond Strength	>1.5 mPa (Concrete Failure)	ASTM D4541

## PROPERTIES OF CURED MATERIAL

Specimens cured for 15 days at room temperature (25°C to 35°C).		
Properties	Standard	Value
Flexural strength	ISO 178	45 MPa
Impact strength	ISO 179	8.5 KJ/m <sup>2</sup>
Compressive strength	ISO 604	35 MPa
Tensile strength	ISO 527	25 MPa
Density at 25°C	IEC 455	1.11 g/ml (Typical)
Hardness, Shore D	ISO 868	75
Bond strength	ASTM D4541	35 Kg./cm <sup>2</sup> Concrete failure

## SUPPLY

**DANOFLOOR PRIMER EP** is supplied as two components comprising of Resin and Hardener. Resin Component is available in 5 Kg. pack size, Hardener Component is available in 2.5 Kg. pack size. It has a shelf life of 12 months when stored under the covered shed in sealed condition.

## PACKING

Packing	Resin	Hardener
Pack Size	5 Kg.	2.5 Kg.

## STORAGE

**DANOFLOOR PRIMER EP** must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight, spark and children.

## SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **DANOFLOOR PRIMER EP**.

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