

# DPM Epoxy Primer



**SINDEC**  
CHEMICALS

## DPM-230

Deep Penetrating Membrane Surface Primer, Low Viscosity Epoxy Primer

### Description

**DPM Primer** is a two-component epoxy primer with good penetrating properties for use on concrete and polymer modified cementitious screeds.

**DPM Primer** is designed to improve the adhesion of floor toppings to the substrate. Designed to suppress water pressure, and to function as a damp proof membrane (2 coats needed).

### Coverage

Coverage varies widely due to the porosity and profile of different substrates.

5 kg Kit - 12 to 20 m<sup>2</sup>  
10kg Kit - 24 to 40 m<sup>2</sup>

Recommended: 2 Coats to act as a damp proof membrane, each coat will be pigmented differently to help identify the 2 priming coats.

\* Coverage figures given are theoretical. Practical coverage rates may vary due to wastage factors and the type, condition, profile and porosity of the substrate.

### Environmental Conditions

**DPM-230** should not be used or applied at temperatures outside of at range of <10°C to >25°C  
\*temperature control will be required if below this range.

Otherwise, this will effect the cure period, surface finish and strengths. Surface temperature must be at least 3°C above the dew point. Air temperature should be above 5°C and relative humidity at less than 70%,

Maximum application temperature is 40°C. Best conditions are 15°C to 25°C, these conditions should be maintained during all the curing time. Application should be done with plenty of air ventilation.

### Features & Benefits

- Low viscosity - penetrates the substrate
- Seals concrete pores - reduces the potential for out gassing and pin holing in resin floor finishes
- Improves the adhesion of toppings to the substrate
- Easy to mix and apply

### Mixing

Pour part B into part A, stir and completely blend both components using a low-speed mixer using paddle mixer for a minimum of 3 minutes @ 300-400 rpm. Transfer mixed resin into a clean new bucket and mix for a 1 further minute.

### Product Application

Once mixed, the primer should be applied immediately in a thin continuous film. Work the primer into the surface using squeegee then roll to avoid pooling. On porous surfaces DPM-230 will be absorbed very quickly, use enough required amount primer to ensure complete surface sealing. Clean tools using Sindec Cleaning Solution.

### Suitable Substrates

Thoroughly prepared concrete, polymer modified sand and cement screeds, steel, brickwork, block work and timber.

### Substrate Requirements

Inadequate preparation will lead to loss of adhesion and failure. In coatings, there is a tendency for the finish to mirror imperfections in the substrate. Grinding or light self-contained shot blasting is therefore preferred.

If in doubt, apply a test area first.

Requirements as follows:

- Flat and Smooth.
- Compact and Cohesive (Pull off test must show a minimum resistance of 1.4N/mm<sup>2</sup>).
- Minimum compressive strength of 25N/mm<sup>2</sup>.
- Even and regular surface.
- Free from cracks and fissures. If any, they must be previously repaired (we recommend using Sindec Epoxy Crack Filler).
- Clean and dry, free of dust, loose particles, oils, organic residues, laitance and contaminants.

### Oil & Grease

Isolated contamination should be removed using an appropriate degreaser, rinsed thoroughly, and allowed to completely dry. A coat of **OT-235 (Oil Tolerant Primer)** should then be applied (see separate datasheet)

### Reapplication

A Second coat is possible as soon as the first one is touch dry and within the following 24 hours.



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### Technical Information

#### PRODUCT INFO BEFORE APPLICATION

	Component A	Component B
<b>Chemical Description</b>	Epoxy	Polyamine Mixture
<b>Physical State</b>	Liquid	Liquid
<b>Packaging Kits</b>		
5kg kit - Components A & B 10kg kit - Components A & B		
<b>Non-volatile content (%) approximate</b>	>95%	98%
<b>Chemical Description</b>	Epoxy	Polyamine Mixture
<b>Colour</b>	Red/Yellow	Slightly Amber
<b>Mixing Ratio</b>	A = 100 by weight	B = 50 by weight
<b>Use Before</b>	12 months after manufacturing date	
<b>Pot Life</b>	Temp (°C)	Pot Life (100 g, min)
	20	25 mins
<b>Storage</b>	Keep between 15°C and 30°C. Component A may crystallize if stored for protracted periods under certain conditions. If this occurs, it can be restored to its original conditions by heating it to 70-80°C and stirring it thoroughly.	
	6	>70
	25	40
	35	25
Shelf Life 12 Months (If unopened)		

#### FINAL PRODUCT INFORMATION

<b>Final State</b>	Solid Membrane, Glossy Material
<b>Colour</b>	Colourless (Red/Yellow when Pigmented)
<b>Hardness (Shore)</b>	80 Shore D hardness after 7 day > 23°C

### Disposal of Containers

Empty containers must be handled with the same precautions as if they were full. Treat empty containers as hazardous waste, and transfer them to an authorized waste manager. If the containers still have some material left, do not mix with other product before considering the risk of potential dangerous reactions.

### Technical Advice

For further information on this or any other Sindec product, please contact our office.

### Health & Safety

Before using this product, please ensure that you have received and read the product Safety Data Sheet. Refer to hazard labelling on the product. Wear gloves and avoid contact with skin and eyes.

### Additional Information

The information contained in this document, and all further technical advice given is based on our present knowledge and experience. However, it implies no liability or legal responsibility on our part. In particular, no warranty or guarantee of product performance in the legal sense is intended or implied as the conditions of use and the competence of any labour involved in the application are beyond our control.

Properties and coverage rates shown are for guidance purposes only. The user of the product must determine the product's suitability for the intended purpose. We reserve the right to make any changes according to technological progress or further developments.

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