



# EP 300

## Epoxy Bonding Agent

Pack Size

30Kg, 15kg & 1.5Kg

## TDS Technical Data Sheet



### Product Description

EP 300 is a two-component, water-based epoxy Phenalkamine sealer and binder designed for sealing surfaces and providing a strong bond to difficult or inadequately prepared surfaces.

### Advantages

- Can be applied to wet or damp surfaces that are free from running or ponding water.
- Suitable for freshly laid hardened (green) concrete.
- Tolerant to improperly prepared surfaces.
- Seals and binds dusty or loosely bound surfaces.
- Excellent adhesion to a variety of substrates, including brick, masonry, concrete block, compressed fibreboard, stone, and timber.

### Features & Benefits

- Safe application on damp surfaces.
- Effective on green concrete.
- Consolidates weak or rain-affected concrete for a solid substrate.
- Excellent penetration into fine-grained substrates like high-strength concrete.
- Tolerant to poorly prepared surfaces.
- Non-flammable with negligible odor.
- Easy equal-part mixing ratio.
- Water-thinned and easy cleanup.
- Safe for use in sensitive areas such as around food or habitable spaces.

### Typical Uses

- Penetrating sealer for bonding to high-strength concrete or fine-textured surfaces.
- Consolidation sealer for weak or aged concrete prior to applying other coatings.
- Bonding coating for surfaces at risk of grease or oil contamination.
- Waterproofing sealer for various substrates, including concrete, masonry, and plywood.
- Dust suppressant and sealer for warehouse and factory floors.

### Limitations

Not suitable for application when surface temperatures are below 8°C or above 35°C, or when relative humidity exceeds 90%.  
Curing reaction slows at temperatures below 8°C and speeds up as temperatures rise.  
Requires good ventilation during drying and curing.  
Not stable under UV light unless submerged.

Only trafficable when used as a sealer.

## Important Considerations

When using as a penetrating sealer before applying other coatings, avoid applying excessive material. If a glazed surface forms, sand it before applying additional coatings. Alternatively, allow EP 300 to penetrate for about 1.5 hours, then overcoat with a thin layer at a coverage rate of 10 square meters per liter.

## Surface Preparation

Ensure all surfaces are structurally sound, clean, and free from contaminants. Remove all existing coatings and open the pores of the concrete with high-pressure water blasting or abrasive blast cleaning. Remove all curing membranes or form release agents before application.

## Application

Mix each component separately to form homogeneous components. Combine the two components in a 1:1 volume ratio and mix thoroughly until homogeneous. Apply with a brush, roller, or spray, ensuring the product is worked well into the surface. Avoid applying excessive product to prevent glazing.

## Cleaning

Thinning is not typically required, but for fine-grained substrates, the product may be thinned with up to 20% fresh clean water. Wash all equipment immediately with water or water/detergent mix.

## Technical Data

Colour	Red colored transparent
Finish:	Clear gloss, darkens and matures with age
Volume-Solids	: 22 ± 2%
Mixing Ratio:	1:1 (Part A / Part B) by volume
Pot Life:	4 hours @ 25°C
Coverage:	8-14 m <sup>2</sup> /litre/coat, depending on substrate porosity
Number of Coats:	1-2, depending on the application purpose
Recoat Time:	1.5 hours @ 25°C & 50% R.H.
Full Cure:	7 days @ 25°C & 50% R.H.
<b>Pack Size</b>	

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## Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

## Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

## Legal Disclaimer

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