**SEALBOND EPC-100**

**EPOXY PRIMER CLEAR (100% SOLIDS)**

### Product Description

**SEALBOND EPC-100** is a 100% solids, two component epoxy primer formulated from high-grade resins and curing agents specially manufactured for flooring application. It hardens to an abrasive resistant coating, with high adhesive strength on properly prepared substrates such as concrete, wood and steel.

SEALBOND EPC-100 is water impermeable and has excellent resistance to oils, solvents, alkalis and most dilute acids.

### Features

- Use as a general purpose epoxy primer according to painting specifications
- Used as a heavy duty primer for various epoxy top coat specifications
- Can be applied on concrete & steel substrate

### Application areas

- Highly recommended primer for high performance flooring systems.
- Ideal for floor topping of new concrete and existing flooring of food processing plants, chemical and pharmaceutical factories, sugar and oil refineries, highways and other industrial business establishments.
- Recommended for installation of anti-skid coatings both indoor.
- For patching of deteriorated flooring

### Processing Data

<table>
<thead>
<tr>
<th>Mix Ratio (by volume)</th>
<th>2 Part Resin: 1 Part Hardener</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gel Time at 30 ºC</td>
<td>3-4 hours</td>
</tr>
<tr>
<td>Coating Interval Min.</td>
<td>3 hours</td>
</tr>
<tr>
<td>Max.</td>
<td>12 hours</td>
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<tr>
<td>Full Cured</td>
<td>24 hours</td>
</tr>
<tr>
<td>Rain Stability Time</td>
<td>4 hours</td>
</tr>
<tr>
<td>Pot Life</td>
<td>2 hours</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>2 years at room temperature</td>
</tr>
</tbody>
</table>

### Technical / Performance Data

<table>
<thead>
<tr>
<th>Colors</th>
<th>Clear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>50-60 N/mm²</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>12,000 psi (Solid Coat); 8,000 psi (With Fillers)</td>
</tr>
<tr>
<td>Adhesion with concrete</td>
<td>4-5 N/mm²</td>
</tr>
<tr>
<td>Solid by Volume</td>
<td>100%</td>
</tr>
<tr>
<td>Light-Heavy Pedestrian Traffic Time</td>
<td>4 hours cure time Conditions: 20°C, 50% R.H</td>
</tr>
<tr>
<td>Viscosity</td>
<td>6,000 cps (resin); 15,000 (hardener)</td>
</tr>
<tr>
<td>Chemical Resistance</td>
<td>Excellent to oil, alkalis, and dilute acids</td>
</tr>
<tr>
<td>VOC</td>
<td>15.7 g/L</td>
</tr>
<tr>
<td>Thickness</td>
<td>100 microns DFT Required</td>
</tr>
</tbody>
</table>

### Procedure & Guidelines

**SURFACE PREPARATION**

**GENERAL**

All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, chalk, and any other contaminants that can reduce adhesion.

**CONCRETE / MASONRY**

Cure for at least 28 days before application. Remove loose or excess mortar, efflorescence, laitance and concrete form release compounds that reduce adhesion. Etch or abrasive blast polished or glazed concrete before use on floors.

**PREVIOUSLY PAINTED SURFACES**

Scrape loose, scaly, peeling paint and sand the edges smooth. If the paint is glossy, sand to dull the surface. Remove any rust and scale from ferrous metal. If mildew is present, remove completely by sterilizing the surface with mildew remover and detergent. Rinse well and allow to dry before painting.

**SPECIAL INFORMATION**

Do not apply if material, substrate or ambient temperature is below 50°F. Yellowing may occur if exposed to temperatures exceeding 200°F. Old coatings should be tested for lifting before applying SEALBOND EPC-100. Exterior exposure causes color change, gloss loss and chalking, however, this does not affect  

**Primers and Sealers**

**AUGUST 2018**

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www.sealbondchemicals.com
product data Primers and Sealers

protective performance properties. Level off uneven surfaces using SEALBOND EPOXY PUTTY.

MIXING
Thoroughly stir each component. Mix two (2) parts by volume of component A to one (1) part of component B. Mix only enough quantities that can be used within the pot-life of the mixture.

APPLICATION
Apply one full coat (as primer only) SEALBOND EPC-100 using brush / roller to achieve a continuous and even coverage. Ensure priming coats are kept clean and free from dust, water, condensation. If two (2) coats are required as per painting specification, allow 3-4 hours drying time to recoat.

Theoretical Coverage

As Primer Coat per gallon:
18-20 m² at 75-100 microns DFT per coat

As Mortar topping with aggregates:
1.8 – 2.0 m² at 3mm DFT
0.9 – 1.2 m² at 6mm DFT

Note: Information above regarding wet film thickness (WFT) and dry film thickness (DFT) are based on company laboratory product tests. Please follow project specifications for WFT & DFT requirements.

Product is manufactured based on International Environmental Regulations

SEALBOND EPC-100 is a green revolution product.

Health & Safety

Please wear rubber or plastic gloves to avoid contact with skin. Please refer to MSDS for other safety information.

Product is for Professional use only.