**DESCRIPTION**

EcoPoxy 306 is a high performance two component water based industrial epoxy coating system available in a range of colours. EcoPoxy 306 White is designed for floor and wall applications where durability and chemical abrasion resistance is required.

**FEATURES AND BENEFITS**

- Environmentally friendly.
- Water cleanup.
- Convenient equal part mixing.
- Non flammable.
- High bond and adhesive strength.
- Negligible odour and toxicity.
- Excellent adhesion to brick, masonry, concrete, compressed fiberboard, stone and timber.

**RECOMMENDED SUBSTRATES**

- In-situ concrete and masonry, compressed fiberboard, stone and timber.

**TYPICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Homogeneous liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Amber, White, Grey or Colours</td>
</tr>
<tr>
<td>Finish</td>
<td>Gloss</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Approx 1.1 kg/l</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Approx 1500 cps</td>
</tr>
<tr>
<td>Mix Ratio</td>
<td>1:1 by volume</td>
</tr>
<tr>
<td>Potlile</td>
<td>Approx 1 hour @ 25°C</td>
</tr>
<tr>
<td>Recoat Time</td>
<td>6 hours at 25°C</td>
</tr>
<tr>
<td>Full Cure</td>
<td>7 days at 25°C</td>
</tr>
<tr>
<td>Weight Solids</td>
<td>35 +/- 1%</td>
</tr>
<tr>
<td>Volume Solids</td>
<td>37 +/- 1%</td>
</tr>
<tr>
<td>VOC (APAS D181)</td>
<td>48 +/- 2 g/ltr</td>
</tr>
</tbody>
</table>

**PACKAGING**

EcoPoxy 306 is available in 4, 8, 20, 40, 400 litre kits as standard. Other sizes available on request.

**COVERAGE RATES**

- Decorative  ⇒  5-7 sqm/litre/coat
- Industrial  ⇒  2-4 sqm/litre/coat

**APPLICATION DIRECTIONS**

**Surface Preparation.**

All surfaces to be treated must be structurally sound and all previous coatings, adhesives, efflorescence or laitance should be removed by chipping, abrasive blast cleaning, high pressure water washing, mechanical scrubbing or other suitable means.

All surfaces must be cleaned free from dirt, grease, oil or other surface contaminants.

Holes, non-structural cracks and other surface deformities should be repaired using a Third Party product in accordance with the technical data sheets.

Very porous or “boney” concrete may require additional coats of EcoPoxy 306. The first coat acting as a primer, penetrating into the pores of the concrete.

Ensure recoat times are adhered to between applications (refer to precautions).

**Mixing.**

Mixing should be by means of a mechanical forced action mixer with a high shear stirrer.

First, premix each individual component to form a homogeneous paste.
Second, join the two components by equal volume, mixing thoroughly for a minimum of 5 minutes until a homogeneous blend is obtained.

Avoid trapping air during mixing, this may cause later pin holing in the coating during application.

Only mix as much as may be used within the pot life of the product.

Placing.

Applying with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. If successive coats are applied, they should be applied at right angles to the previous coat.

It is recommended that as application progresses, the coating depth be tested at random points with a wet film gauge/comb to ensure uniformity of film thickness.

Extreme care is necessary, and if required, protection should be provided to ensure Ecopoxy 306 is not damaged in any way between or after final coating.

Allow to dry for 2-3 hours before the application of any levelling compounds.

COOL SUBSTRATES AND COOL CLIMATES

EcoPoxy 306 drying rates will be dramatically reduced if substrate surface or ambient temperature is below +10°C.

If possible warm the substrate surface area where EcoPoxy 306 is to be applied by air blower or use a blower after application.

Always provide adequate ventilation during the curing cycle.

STORAGE

EcoPoxy 306 should be stored between 10°C and 30°C away from direct sunlight. Shelf life is 12 months in original unopened container. Partly used containers must be sealed tight when not in use.

FIRE

EcoPoxy 306 is non-flammable and as such does not pose a fire risk.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Illawarra Coatings’ products, are given in good faith based on Illawarra Coatings’ current knowledge and experience of the products when properly stored, handled and applied under normal conditions.

It is your responsibility to ensure that our products meet your requirements, are used and handled correctly in accordance with any applicable Australian Standard, our instructions and recommendations and only used for the applications for which they are intended.

In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

We also reserve the right to update information without prior notice to you to reflect our ongoing research and development.

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with these.

CLEAN UP

Wash all equipment in water or water/detergent immediately on completion of application.

PRECAUTIONS

Some individuals may experience a skin reaction to EcoPoxy 306. Those individuals should wear personal protection equipment. Refer to our Material Safety Data Sheet for more information.

EcoPoxy 306 cure rates will be dramatically reduced if relative humidity is above 85%.

EcoPoxy 306 should never be diluted.

Do not apply to steel or metal surfaces, as corrosion will occur.

Do not add cementitious products to EcoPoxy 306.

Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface.