**PROPERTIES**

DiamondSeal is based on an ultra fine particle size acrylic resin with a self crosslinking mechanism. The coating has the following properties:

- Easy surface preparation
- Easy to use water borne system
- Fast drying
- Excellent dust proofing characteristics
- Excellent durability
- Non yellowing film
- Chemical resistant
- Excellent adhesion to substrate
- Water resistant

**AREAS OF USE**

DiamondSeal is designed for use as a concrete floor sealer and dust-proofer. It is also used as a clear primer for DiamondCoat and can be used as a topcoating system for exterior facade coating systems.

**APPLICATION & CLEANING OF TOOLS**

Application is done by brush, roller or spray in two coats, allowing four hours between coats. Coated areas can be put back into service after 24 hours. Clean tools and equipment with water after use.

**HEALTH & SAFETY**

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

**PACKAGING & STORAGE**

DiamondSeal is supplied in 20kg plastic pails. Store containers in a clean, dry area and protect from direct sunlight and extreme heat and cold. Unopened containers can be stored for 12 months. Use oldest material first.

**OVERVIEW**

DiamondSeal is an acrylic water borne clear floor sealer based on a new generation of hydrophobic polymer. It provides outstanding durability with excellent chemical and water resistance. The product has a self crosslinking mechanism which helps to produce a tough durable film with excellent block and chemical resistance. Its ultra-fine particle size enables deep penetration into the substrate ensuring excellent dust-proofing and sealing properties. As a clear coat DiamondSeal is completely UV transparent and does not yellow. DiamondSeal can also be used as a topcoating system for exterior facades coatings where it greatly improves dirt pickup resistance due to its hydrophobic nature.

**PREPARATION OF SURFACE**

Ensure that all dust, dirt and foreign matter are brushed away. Also ensure that the surface is free from salt, oil, grease and ridges. All cracks, chips, voids and damaged areas should be repaired using a blend of Terramix Fine (5kg) with DiamondSeal (1kg) and water (0.25-0.5 ltr.). This repair compound should be allowed to cure for 3 days prior to application of the primer coat.
## TECHNICAL DATA

<table>
<thead>
<tr>
<th><strong>Product</strong></th>
<th>Clear water borne acrylic floor sealer.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Binder</strong></td>
<td>Acrylic</td>
</tr>
<tr>
<td><strong>Drying Time</strong></td>
<td>4 to 6 hours between coats.</td>
</tr>
<tr>
<td><strong>Hardness (Koenig Pendulum)</strong></td>
<td>41 (3 days), 57 (10 days)</td>
</tr>
<tr>
<td><strong>Adhesion to Concrete</strong></td>
<td>3.5 N/mm²</td>
</tr>
<tr>
<td><strong>Chemical Resistance</strong></td>
<td></td>
</tr>
<tr>
<td>Brake fluid</td>
<td>: good</td>
</tr>
<tr>
<td>Sulphuric acid 25%</td>
<td>: good</td>
</tr>
<tr>
<td>Ammonia 25%</td>
<td>: good</td>
</tr>
<tr>
<td>Caustic solution 25%</td>
<td>: good</td>
</tr>
<tr>
<td>Ethanol 20%</td>
<td>: good</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.02</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>2,000cps.</td>
</tr>
<tr>
<td><strong>Material Consumption</strong></td>
<td>200-300grs/m²</td>
</tr>
<tr>
<td><strong>Application Method</strong></td>
<td>Brush, roller or spray.</td>
</tr>
<tr>
<td><strong>Packaging</strong></td>
<td>20 kg plastic pails.</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>12 months in original unopened containers.</td>
</tr>
</tbody>
</table>

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