Dr. Fixit Pidifin 2K

2-PARTS FLEXIBLE CEMENTITIOUS WATERPROOFING MEMBRANE

Description

Dr. Fixit Pidifin 2K is 2 parts polymer-modified flexible cementitious waterproofing membrane coating specially formulated for Concrete and Masonry Surface which is supplied in ready-mix kits (2 parts). When the dry part is mixed with acrylic-modified emulsion and applied according to direction, the cured.

Dr. Fixit Pidifin 2K will become a tough, flexible and seamless waterproof membrane and acts as an excellent water barrier to Concrete and Masonry Surface.

Area of Application

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Any other concrete, cement or masonry surface subject to damage from moisture.

Features & Benefits

- Quick drying
- Easily applied by brush or trowel
- Flexible
- Excellent adhesion to concrete and masonry substrates
- Non toxic substances
- Environmentally friendly - free Volatile Organic Compound (VOC)
- Can be applied on damp surface.
- Excellent waterproofing property - No leakage up to 10 m. hydrostatic pressure.

Method of Application

1 Surface Preparation

- Allow new concrete and masonry substrate to fully cure prior application.
- All surfaces must be free from oil, grease, wax, dirt or any other form of foreign matter which might effect adhesion. Spalled Concrete must be sound before applied.
- Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

2 Mixing

- Using Portland mechanical mixer, slowly add Powder part to Liquid part in a clean container until a smooth and homogenous slurry mixture is achieved.
- Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

3 Applications

- Dr. Fixit Pidifin 2K slurry can be applied by brush or trowel. DO NOT dilute with water. Recommended coverage rate is approximately 1.1 kg./m²/coat for 0.8 mm. thick of wet film thick (minimum 2 coat.)
- Allow the slurry to cure for at least 1 hour before applying a second coat.

4 Curing

- For maximum protection, allow 12 to 24 hours curing time after the second coat.
- Dr. Fixit Pidifin 2K requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site” to ‘requires at least 7 days before filling spas, swimming pools and water tanks with water as well as mock-up or ponding tests on site’
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5 Cleaning

- Dr. Fixit Pidifin 2K can be removed from tools and equipment immediately after use with clean water, only hardened material can removed mechanically.

Technical Information

<table>
<thead>
<tr>
<th>Properties</th>
<th>Specification / Standard</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Component</td>
<td>-</td>
<td>Mix Ratio 1 : 2 (A : B)</td>
</tr>
<tr>
<td>Polymer Content</td>
<td>-</td>
<td>&gt; 18 %</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>-</td>
<td>&lt; 6%</td>
</tr>
<tr>
<td>Proprietary Polymer</td>
<td>-</td>
<td>High quality modified acrylic polymer</td>
</tr>
<tr>
<td>Set-to-touch time</td>
<td>ASTM D 1640</td>
<td>45 min</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D 412</td>
<td>2.5 N/mm²</td>
</tr>
<tr>
<td>- as cast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elongation at Break</td>
<td>ASTM D 412</td>
<td>60 %</td>
</tr>
<tr>
<td>- as cast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adhesion to Substrate</td>
<td>ASTM D 4541</td>
<td>0.80 N/mm²</td>
</tr>
<tr>
<td>Adhesion to Concrete at 7 day</td>
<td>ASTM D 4541</td>
<td>1.75 N/mm²</td>
</tr>
<tr>
<td>Immersion in water Adhesion to Concrete at 7 day</td>
<td>ASTM D 4541</td>
<td>1.00 N/mm²</td>
</tr>
<tr>
<td>Crack Bridging</td>
<td>ASTM C 836</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

Precautions & Limitations

- Dr. Fixit Pidifin 2K is not suitable for traffic area application.
- Dr. Fixit Pidifin 2K is a pre measure package. Do not dilute with water or add any more sand or cement.

Packaging

<table>
<thead>
<tr>
<th>Product</th>
<th>Packaging</th>
<th>Coverage</th>
</tr>
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<tbody>
<tr>
<td>Dr. Fixit Pidifin 2K</td>
<td>15 kg./set</td>
<td>1 kg./m²/coat (minimum 2 coat)</td>
</tr>
</tbody>
</table>

Storage

- 12 month storage in sealed container and room temperature

Health & Safety Precautions

- Non Flammable
- Avoid contact with skin and eyes. Any splashes to the skin or eyes should be washed off with clean water
- Wear mask when mixing.
- Wear protective gloves and eye protection when applied.