ShaliUrethane® WP WC
Water Based PU Hygienic WP Wall Coating

Description

ShaliUrethane® WP WC is an aliphatic resins based coating with high UV resistance property without cracking, peeling or turning yellow over a prolonged use. It offers good resistance to alkalis and mild acids and solvents. ShaliUrethane® WP WC has an extremely low water vapour absorption.

ShaliUrethane® WP WC has a very good bonding with masonry and other material of construction. It is fast drying and breathable in nature.

Characteristics

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White or pigmented</th>
<th>Hardening time</th>
<th>Approx.48</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT microns in two coats</td>
<td>15 - 20</td>
<td>Chemical resistance</td>
<td>Good</td>
</tr>
<tr>
<td>Solid content</td>
<td>50 % ± 1</td>
<td>UV resistance</td>
<td>Excellent</td>
</tr>
<tr>
<td>Touch dry, hr</td>
<td>Approx.1.5</td>
<td>Specific gravity</td>
<td>1.23 -1.25</td>
</tr>
<tr>
<td>Theoretical Coverage, gm / m² / coat *</td>
<td>100</td>
<td>Adhesion to concrete / Others</td>
<td>Excellent</td>
</tr>
</tbody>
</table>

* Depending upon surface condition.

Application

- Area requiring hygienic wall coating like pharmaceutical Industries, operation theatres, corridors in hospitals and nursing homes, pathological laboratories, bottling plants, dairies & breweries, etc.
- Nuclear plants, computer and control room.
- Automobile workshops and showrooms.
- Can be used for outdoor wall application also.

Advantage

- Enhances the durability of structure.
- Non-yellowing and Anti-fungal.
- Easy application, no machinery required.
- Seamless and Impervious.
- Excellent bonding to all building materials.
- Being water based system, it is non-hazardous and eco-friendly as compared to solvent based systems and can be used for coating of clean rooms.
- Having molecular of very small size, it has excellent penetration and sealing capacity and can be used on the base plaster against efflorescence before putty and paint.

Application Methodology

- **Surface Preparation**
  - Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.
  - Repair all other visual defects like undulation, cracks etc with PlastiSeal and ShaliFix EM.

- **Material Preparation**
  - Stir ShaliUrethane® WP WC by a slow speed mixture (approx. 200 - 300 rpm) fitted with a suitable mixing paddle to ensure a homogenous mix.
  - After stirring, wait for the product to settle in order to let entrapped air escape.
Application of Material

- Apply a Coat of ShaliPrime Penetration @ 0.10 L / m² and allow it to dry.
- Apply a first coat ShaliUrethane® WP WC @ 100 gm / m² by brush or roller.
- Allow it to dry.
- Apply second coat ShaliUrethane® WP WC as above after minimum four hours after the first coat has been done.
- ShaliUrethane WBC can be spray method also after adequate dilution of the original materials.
- Do not apply ShaliUrethane® WP WC at temperature < 5 °C or > 45 °C.

Cleaning & Maintenance

Clean all tools immediately after use with water. Do not allow material to harden.

Health & Safety

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

Packing

Available in 20 kg and 200 kg plastic drum.

Storage

Store in a cool dry place, under shed, away from heat. Do not store < 5 °C or > 30°C temperature.

Shelf Life

6 months in original unopened condition.

STP’s Businesses

- Waterproofing & Insulation
- Road Surfacing
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- GARA (Grouts & Admixtures)
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- Epoxy Flooring

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