

ShaliUrethane[®] WP WC



Water Based PU Hygienic WP Wall Coating

STP Limited

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

Appearance	White or pigmented	Hardening time	Approx.48
DFT microns in two coats	15 - 20	Chemical resistance	Good
Solid content	50 % ± 1	UV resistance	Excellent
Touch dry, hr	Approx.1.5	Specific gravity	1.23 -1.25
Theoretical Coverage, gm / m ² / coat *	100	Adhesion to concrete / Others	Excellent

* 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.



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