

# ShaliUrethane® WP WC



STP Limited

Water Based PU Hygienic WP Wall Coating

## Description

**ShaliUrethane® WP WC** is an aliphatic resin based coating with high UV resistance property without cracking, peeling or turning yellow over a prolonged use. It offers good resistance to alkalies 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	Specific gravity	1.23 - 1.25
DFT microns	15 - 20	Chemical resistance	Good
Solid content, %	50 ± 1	UV resistance	Excellent
Touch dry, hrs.	Approx.1.5	Full cure, hrs.	48
Theoretical Coverage, gm / m <sup>2</sup> / coat *	100	Adhesion to concrete / Others	Excellent

\* Depending upon surface condition.

## Application

- Area requiring hygienic wall coatings, like, pharmaceutical industries, operation theaters, 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 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 PUM** @ 0.10 L / m<sup>2</sup> and allow it to dry.
- Apply a first coat **ShaliUrethane® WP WC** @ 100 gm / m<sup>2</sup> 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® WP WC** can be applied by spray applied 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 Limited**  
*Enhancing Structures' Life*

#### Product Range

- Waterproofing and Insulation ■ Road Surfacing
- Sealants and Additives ■ Pipeline Coating
- Protective / Anti-Corrosive Coating ■ Epoxy Flooring
- Grouts / Admixtures ■ RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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