



PU GUARD

SINGLE COMPONENT WATER BASED POLYURETHANE WATERPROOFING

DESCRIPTION:

PU GUARD is a single component, modified polyurethane, liquid applied coating that is composed of specially developed polymers, properly selected and graded fillers. It cures by reaction with atmospheric moisture to give a tough elastomeric waterproof membrane.

PU GUARD is elastomeric in nature and has good resistance to weather and sunlight.

PU GUARD has excellent flexibility and bonding with concrete, breathing properties, water resistance, crack bridging properties, weathering durability.

AREAS OF APPLICATION:

- Foundations, basements & lift pits
- Terrace Gardens
- Sunk portion of bathrooms, toilets, balconies, etc.
- Car Decks, Podiums
- Sewage Works & Sunken portions

ADVANTAGES:

- Cold curing, cures to a tough, flexible and abrasion resistant coating.
- White in color which reflects light, UV rays and heat & remains unaffected by Exposure.
- Bonds strongly on cement concrete, asbestos, mild steel, cement plaster applied surfaces.
- Thermal stability – Irreversible chemical cure eliminates melting and flow at high temperature.
- High elasticity - Cures to give a permanently flexible resilient barrier for water over a wide range of temperatures.
- High chemical resistance – Excellent protection against corrosive soil conditions, resistance against saline water, mild acids and alkalis, high sulphate resistance.

Constro Chem India Pvt. Ltd.

201, Shrusthi tower Near Parsik Janta bank, Kalwa Naka Thane (West), Maharashtra -400 605.

Mobile: +91-9323244244 Email: -sales@constrochemindia.com



PU GUARD

SINGLE COMPONENT WATER BASED POLYURETHANE WATERPROOFING

TECHNICAL DATA:				
Sr. No.	Test Parameter	Test Method	Requirements as per specifications	Test Result
1	Tensile Strength	ASTM D638	Min. 14 N/mm ²	16.36 N/mm ²
2	Elongation at Break	ASTM D638	Min. 200%	>300%
3	Pull of adhesion/ Bond strength	ASTM D4541	>5 Mpa	10.06 Mpa

PRODUCT DETAILS:

Properties	Results
Appearance	White
Tack Free Time @ 28 ⁰ C	12 hours
Time To Full cure @ 28 ⁰ C	72 hours
Solid Content %	62 %

Constro Chem India Pvt. Ltd.

201, Shrusthi tower Near Parsik Janta bank, Kalwa Naka Thane (West), Maharashtra -400 605.

Mobile: +91-9323244244 Email: -sales@constrochemindia.com



PU GUARD

SINGLE COMPONENT WATER BASED POLYURETHANE WATERPROOFING

Method of Application:

Waterproofing

1. Surface preparation

Surface should be clean, dry and free of any laitance, grease, oil, dirt and other loose materials.

2. Concrete surface should have a light steel-trowel followed by a fine hair broom or equivalent finish which is dry and free of dust, oil and other contaminants. All protrusions to be removed to level the surface.

3. Algae and fungi must be removed physically. After treatment leave for 2-3 hrs and then wash down thoroughly with clean water and allow drying completely.

4. Clean the remains of paint, rust and other contaminants before coating the metal surface.

Coverage

As a waterproofing coating: 25 -35sq.ft./ kg in 2 coats

Packaging

5, 25 kgs.

Storage and Shelf life

12 months in original packing if stored at room temperature i.e.25°C.

Constro Chem India Pvt. Ltd.

201, Shrusthi tower Near Parsik Janta bank, Kalwa Naka Thane (West), Maharashtra -400 605.

Mobile: +91-9323244244 Email: -sales@constrochemindia.com