



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

Features & Benefits

- ✓ Cold curing, cures to a tough, flexible and abrasion resistant coating.
- ✓ White in colour 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

Constro Chem India Pvt Ltd

18/26, Dev Prayag CHS, Opp Thanawala Garage, Near Hari Nivas Circle Bhakti Mandir Road, Thane (West), Maharashtra - 400 602. Mobile :+91-9323244244

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- ✓ High chemical resistance – Excellent protection against corrosive soil conditions, resistance against saline water, mild acids and alkalis, high sulphate resistance

Method of Application

Waterproofing

1. Surface preparation

- ✓ Surface should be clean, dry and free of any laitance, grease, oil, dirt and other loose materials.
- ✓ Concrete surface should have a light steel-trowel followed by a fine hairbroom or equivalent finish which is dry and free of dust, oil and other contaminants. All protrusions to be removed to level the surface.
- ✓ Algae and fungi must be removed physically. After treatment leave for 2-3 hrs and then wash down thoroughly with clean water and allow to dry completely.
- ✓ Clean the remains of paint, rust and other contaminants before coating the metal surface.

2. As a Waterproofing Coating

- ✓ PU GUARD should be applied by brush/trowel in two coats maintaining the spreading rate to achieve the desired DFT of 500 microns.
- ✓ In critical applications where film thickness is paramount and desired than the stated one then two coats should be applied with quantities per coat gauged to give the specified final film thickness.
- ✓ On a vertical surface if high film build up is desirable then additional coat may be required.
- ✓ If a water ponding test is to be run, the membrane should be fully cured

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Technical Data

Precautions & Limitations

Surface to be dry for application as the material is cured in presence of moisture. Moisture level shall not be essentially more than 0.5%.

Soft settling is likely to be observed in containers and the same shall be stirred thoroughly and carefully to achieve a homogeneous consistency.

Avoid application on very hot substrate & during very hot and windy conditions. Film formation may not be uniform and gradual under such circumstances & skinning on top surface may lead to formation of blisters and bubbles due to entrapped vapour from within the material.

Curing Details

PU GUARD membrane must be cured for a minimum of 72 hours @ 27° c before placing protection. Where damage to the membrane is possible (by traffic, backfilling, etc) it should be protected by a cementitious screed or protection boards. A dust coat of cement should be used to prevent adhesion of the membrane to the boards. A bond with the topping is not required; a separator sheet should be used.

Technical Information

Properties	Results
Appearance	Light Grey
Tack Free Time @28°C	12 hours
Time to Full Cure @28°C	72 hours
Solid Content, %	62± 2

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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.

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