

## PU GUARD-WHITE (Single component water based polyurethane coating)

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

### TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Appearance	White
2	Solid content by volume	+65%
3	Coverage	25 – 30 sq. ft/kg/2 coats
4	DFT	300-350 Microns
5	Tensile Strength	14 N/mm <sup>2</sup> ASTM D 638
6	Pull of adhesion Strength / Bond Strength	6.08 Mpa (ASTM D 4541)
7	Elongation @ break	>700 % ASTM D 638



### **METHOD OF APPLICATION:**

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

### **APPLICATION:**

By brush or roller after surface preparation

### **STORAGE & SHELF LIFE:**

Store away from direct sunlight.1 year in tightly sealed container.

### **PACKAGING:**

25 Kg

### **SAFETY PRECAUTIONS:**

Wear gloves, goggles, and mask to avoid skin and eye contact. wash hands thoroughly after use. In case of skin contact, wash with soap and water, and seek medical attention if irritation persists.

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