

## PU GUARD- BLACK

### (Single component water based polyurethane coating)

#### DESCRIPTION:

PU GUARD is high performance bitumen-based coating. PU GUARD has good resistance to weather. PU GUARD has excellent flexibility, breathing properties, water resistance, crack bridging properties, weathering durability

#### AREAS OF APPLICATION:

- Roof / Terrace / Bathroom and Toilet.
- Podium.
- Car Parking / Swimming Pool.

#### ADVANTAGES:

- Non-toxic.
- Flexible at wider temperature range.
- Can be applied in moist roof also.
- Excellent water vapor barriers.
- Good compatibility with tile.

#### TECHNICAL SPECIFICATIONS:

Sr. No	Specifications	Technical Details
1	Appearance	Viscous emulsion dries to black coating
2	Solid content by volume	68 %
3	Coverage	1 Kg/m <sup>2</sup> Depending upon the surface area
4	Ph	Alkaline (>9)
5	Tensile Strength	5 N/mm <sup>2</sup> ASTM D 638
6	Pull of adhesion Strength / Bond Strength	3.8 Mpa (ASTM D 4541)
7	Elongation @ break	>500 % ASTM D 638
8	Specific Gravity	1.2 ± 0.01
9	Viscosity	2500 CPS



### METHOD OF APPLICATION:

- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Prime the surface with the mixture of PU GUARD- BLACK and water in 50:50 ratio and apply.
- Allow it to dry completely. Slightly damp surface will help coating.
- Apply PU GUARD- BLACK by brush or roller on primed surface as first coat. Apply first coat with dilution 10% - 15% with water.
- Provide fibre mesh to increase the tensile strength of the system.
- Apply second coat with dilution 10% - 15% with water.

### 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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