

SMARTBLOK PU HYBRID

SINGLE COMPONENT POLYURETHANE WATERPROOFING COATING



DESCRIPTION

SMARTBLOK PU HYBRID is a unique product specially designed for all R.C.C. structures. The product is a single-component, roller, brush, spray applied waterproofing membrane based on modified polyurethane hybrid technology, flexible elastomeric polyurethane UV resistance water based waterproofing coating. It provides resistance to moisture, salts, and water penetration into concrete and masonry surfaces.



FEATURES AND ADVANTAGES

- Solvent free, safe & non corrosive
- Liquid applied easily with brush, roller or spray
- Flexible & seamless coating
- Weather proof & UV resistant
- Resistant to carbonation.
- Good cleanability & dirt free
- Waterproofing protection coat
- Breathable
- Resistance against algae & fungi.
- Resistant to chloride attack.

METHOD OF APPLICATION

Surface Preparation:

Any surfaces should be free from oils, any other contamination Normally, the basic painting rules should be followed. Removal of old flaky paints is essential. All cracks bigger than 1 mm should be opened and filled with SmartBlok Universal Polymer Site engineered Mortar. Unpainted surfaces should be primed with SmartBlok PU primer which should be applied at the rate of 10-12 Sqm per kg or with an SmartBlok epoxy primer that is applied at the rate of 6-8 sqm per kg. This will seal the surfaces & gives better adhesion to the over coat. Substrate should be sound & any kind of cracks should be analyzed before application.

Product Application

- Before the application over the primed surface, thoroughly mix the contents in the bucket using a slow speed stirrer or paddle mixer. Ensure that the sides of the container is scraped and used.
- After mixing, immediately apply SMARTBLOK PU HYBRID over the primed surface. Ensure a continuous coating of uniform thickness applied over the entire surface area.
- Apply in two coats ensure the second coat is applied in a perpendicular direction to the first coat. The second coat must be applied after the first coat is dried (minimum 4 to 6 hours or maximum 16 hours)
- Allow the Coating for Air cure minimum 5-7 days (depending on Weather Conditions)

Protective Screed

- Apply a protective screed of approx 20 mm or as per slope requirement. On vertical surfaces, apply a plaster coat or a dash coat of approx 15mm. (for better adhesion use sand broadcasting technique)

PROPERTIES

Base	POLYURETHANE HYBRID
Colour	White
Consistency	Smooth thick liquid
Consumption	Min 1.5 Kg per Sq. mt.
Crack Bridging	Up to 1.5mm
Specific Gravity	1.25 + 0.05
Elongation	> 400%
Application Temperature	5 ^o to 40 ^o C
Drying time	24 hours
Tensile Strength	> 3 N/mm ²
Full curing	7 Days

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TECHNICAL SERVICE

JSW Cement has an established technical service cell and well equipped laboratory for in house R & D. We have a team of experienced personnel to demonstrate and monitor the product performance.

SAFETY

- SMARTBLOK PU HYBRID is non toxic and inflammable. However, any splashes on the human body must be washed with plenty of water.

BEST BEFORE

- 12 months

PACK SIZE

- 20 Kg

Disclaimer - JSW construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies which may be obtained on request. JSW's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.