

SMARZKOT Advanced

Acrylic liquid membrane
elastic waterproofing



Description:

SMARZKOT advanced is acrylic modified elastomeric waterproofing system for exterior horizontal as well as vertical surface .It is 1K acrylic based liquid membrane, ease in application directly apply with the help of brush/roller. It has excellent properties to withstand pressure up to 3 bars of positive waterproofing pressure on vertical surface and 5 bars of positive waterproofing pressure pressure on horizontal surface.

Uses:

- Waterproofing on roofs
- Waterproofing of balconies, terrace and verandas
- Waterproofing of all type of old and new concrete
- Waterproofing and protection of concrete construction like bridge-decks, tunnels, stadium stands etc.

Advantages:

- **Low water vapor transmission**
It helps to maintain temperature in and out side of the buildings as it have excellent UV resistance properties
- **Application**
Ease in application and can be directly applied to the damp concrete and masonry and provide excellent adhesion bonds to porous and nonporous surfaces. Excellent for concrete roof, leaking brick and masonry walls
- **Eco-Friendly**
Non-toxic-ideal for potable water tanks and other food manufacturing industrial mesonary.
- **Anticarbonation properties**
Good resistance to Carbon dioxide and Chloride

ion diffusion

- **No-toxic content**
Lead,arsenic,mercury free liquid supports green environment
- **Temperature Reduction**
Temperature reduction upto $10\pm 2^{\circ}\text{C}$ from surface temperature
- **Water based**

Company Standard Compliance:



Technical Information:

Properties	Specification
Appearance	White color viscous liquid
Elongation Dry film % (ASTMD412-98)	150%
Solar light reflecting index	120 (ASTM E1980)
Specific gravity	1.28 to 1.32
Tensile strength (ASTM D412-1997)	2 N/mm ² (at 1.5 mm thickness)

Cracks bridging	0.5 mm
Microbial resistance	Algae, fungus & moss
Application Temperature	5°C to 45°C

Application Procedure:

Cleaning:

- Clean all the surface to the sound base which is to be treated with SMARZKOT advanced. Remove dust, oil, laitance any other chemicals oil etc.

Surface Preparation:

- Fill the cracks if present on the substrate with REDOSEAL ACL properly.

Priming:

- Priming of the substrate must be done with PRIMKOT because priming the surface before waterproofing will provide better adhesion to the substrate and increase durability of waterproofing system.

Application:

- Mix SMARZKOT advanced well before use. Apply the mix with the help of brush on the prepared surface. After first coat dry apply 2nd coat immediately to get better adhesion between two coats. Allow the coating for full cure until 24 hours. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 1mm thickness coating is recommended for further information you can contact Redwop expert team.

Coverage:

The approximate coverage at even consistency with brush application It will cover minimum 8sq.ft /kg for horizontal surface and 15sq.ft / kg for vertical surface in 1st coat and 24sq.ft/kg in 2nd coat Actual coverage will depends on the texture of the surface and no. of coatings.

Packaging:





SMARZKOT Advanced supplied in 10 & 20 kg bucket.




Storage & Shelf-life:

Minimum of 12 months self-life if kept under room temperature (i.e. 27 °C).

Health & Safety:

SMARZKOT advanced is non-toxic. Gloves and goggles should be worn Any splashes to the skin or eyes should be washed off with clean water and use a dust mask while handing the powder. For more information about safety please prefer product material safety data sheet.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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