Mandana Polymer Industrial Group

Manufacturer of Liquid waterproofing membrane Epoxy Adhesive,Epoxy Flooring part making epoxy & Polymer Detergent



Liquid Waterproofing Membrane (Isopol)

Isopol waterproofing membrane is a polymer material applied as a thin liquid to insulate surfaces. It seeps into cracks and holes, forming durable chemical bonds that resist water penetration and environmental changes. Its strong adhesion prevents the waterproofing layer from peeling or crumbling, offering long-lasting protection against water and moisture. This product is made and sold with all necessary legal approvals, including factory standards, an exploitation license, and technical certification from the Ministry of Housing and Urban Development. It's marketed under the well-established Isopol brand.

Feature	Application
• Resistant to cold and heat • Prevents algae, fungus, and dandruff growth • Works in all weather conditions • Operates effectively within a wide temperature range (-60 to 120°C) • Quick and easy to apply • Maintains colour stability and resists UV light • Long-lasting (over 10 years) • Compatible with ceramic tile adhesive • Adheres to all types of surfaces	• Roofs and balconies • Various swimming pools, fountains, and Jacuzzis • Water storage tanks • Facades and walls • Beneath tiles • Water pipes • Vertical walls in northern, high-precipitation areas • metal roofs, including galvanized and ramps • Mosque domes • Roof gardens • Flower and plant boxes • Residential areas and spaces

End users

- Construction contractors and managers
- Waterproofing specialists
- Industrial treatment facilities
- Drinking water and general water storage tanks
- Various types of swimming pools
- Roof gardens, roofs, and balconies
- Painters for concrete and pavilions
- Building facade waterproofing
- Sealing and insulating sanitary facilities and residential homes
- Facility clinics

Applicable surfaces

- Concrete, brick, and cement block surfaces
- Bitumen surfaces
- Prefabricated metal components
- Galvanized iron bridges
- Plastered surfaces
- Fiber-reinforced surfaces
- Any brick structure
- Cement blocks
- Clay coated with a concrete layer







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Physical and functional characteristics

Technical specifications of Isopol membrane include a comprehensive array of tests that meet relevant standards, such as adhesion strength, mechanical durability, and chemical resistance. Various related tests are conducted, and the results are tailored to meet consumer needs before being provided to the customer.

Isopol membrane (Acrylate base Thermoset)		
Base and number of components	Thermoset acrylate (single component)	
Physical characteristics	**Color**	Colored- according to color booklet
	Appearance	Viscous liquid
	Density (25°C)	1.20g/cm^3
	Flammability	Non-flammable
Coverage Value	1 kg per 4-5m^2 each layer	
Surface drying time at temperatures between 25 -30°C	3-4h per each layer	
***Time to apply the next layer**	4h (25-30 C)°	

Drying time depends on airflow temperature–humidity, level–thickness and the number of layers.

Maintenance and safety considerations

Store in a dry place away from sunlight, water, and rain.
Keep at temperatures above 5°C
In the primary packaging, the storage period at 5–30°C is more than 12 months.
Products are safe but wear gloves and protective clothing when using them. If it gets in your eyes, wash them out with water.

NOTE

The recommendations in this catalogue should be verified through preliminary tests due to uncontrollable conditions during insulation application, particularly when materials from other companies have been used previously for the base or implementation.

Warranty and After-Sales Service

This product comes with a 5–year performance guarantee subject to use according to company guidelines and ten years of after–sales service.



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