



Liquid Polia Polymer

ISONEM MS POLIA is a polymer with excellent properties produced in the latest technology. It is ready to use, water-based, polymer-based, UV resistant and elastic structure. It is used as insulation material on the terrace, roofs, concrete, screed, plaster, wood, metal surfaces and surfaces which were applied spray polyurethane thermal insulation. Workmanship is easy and fast.

AREAS OF USE

- Waterproofing of roofs.
- Facades
- Roofs, woods, decks
- On old-based bitumen problematic insulation
- Shingle surfaces

APPLICATION INFORMATION

Surface Preparation: The surface to be insulated must be clean and dry. Any dirt, mud, rust or oil, must be removed on the surface. It is not used in areas salt efflorescence or places on water flow from the negative side. All cracks and holes should be repaired with ISONEM M 03. Especially in large spans and thermally insulated floors, we recommend applying 45 g/m² of insulating mesh on floors which are possible to crack. If there is dilatation in the area to be insulated, dilatation insulation should be made with ISONEM A4 elastic filling and then insulation should be started. Substrates should be primed with the UNIVERSALPRIMER [1:7 diluted with water, 1 part primer, 7 part water]

Application Method: ISONEM MS POLIA is ready to use should be homogeneously mixed before application. It should not be applied under 5°C or in a wet and frozen floor. Especially in flat roof applications, it should be checked whether the correct and sufficient inclination given. It should be ensured that there is sufficient water drainage and there is no water ponding on the roof or terrace. It is applied to the surface in 2 layers by waiting 4 hours between layers.

TECHNICAL SPECIFICATIONS

- Type : Water-based, polymer-based, single comp.
- Density (25°C, g/mL) : 1.30 ± 0.10
- PH : 7.0 - 9.0
- Permeability to water vapour (m) : 5 ≤ sD ≤ 50, CLASS II
- Viscosity (25°C, mPa.s) : 16000 – 18000
- Solid Content (% Weight) : 70 ± 2

IMPORTANT
Application surface, during and after the application of rain, water, mechanical impacts and so on. 24 hours should be protected from all external factors.

General Features

- Provides %100 Waterproofing
- UV Resistance
- Elastic
- B S1 d0 Fire Class
- Fast Drying

Application Conditions and Risks

- Things to consider during and after the application**
- The application surfaces must be clean and free from dirt, oil, rust etc..
- Applicable temperature**
- Between +5 and +35°C
- ISONEM products for surface preparation**
- ISONEM M03 elastic mortar should be used for crack repairing. ISONEM A4 can be used for dilatation reparation. ISONEM UNIVERSAL PRIMER should be used as a primer with a single coat [1: 7 diluted with water, 1 part primer, 7 part water]. The information on consumption and through-dry time depend on manufacturer instructions f or Epoxy Shop Primer or Anti Rust Primer.



Finishing



Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	In steep layers	X	Vertical and Horizontal	X	Vertical and Horizontal	Vertical and Horizontal
Surface Humidity	Dry surface	X	Dry surface	X	Dry surface	Dry surface
Application Tools	Roller(synthetic epoxy), brush, spray	X	Roller(synthetic epoxy), brush, spray	X	Roller(synthetic epoxy), brush, spray	Roller(synthetic epoxy), brush, spray
Primer Usage	ISONEM UNIVERSAL PRIMER [1:7 diluted with water, 1 part primer, 7 part water]	X	ISONEM UNIVERSAL PRIMER [1:7 diluted with water, 1 part primer, 7 part water]	X	ISONEM UNIVERSAL PRIMER [1:7 diluted with water, 1 part primer, 7 part water]	Anti Rust / Epoxy shop Primer
Primer.Conspt	100 - 200 gr / m ²	X	100 - 200 gr / m ²	X	100 - 200 gr / m ²	Consult The Manufacturer
Product Usage	2 Layers	X	2 Layers	X	2 Layers	2 Layers
Product.Conspt	0.8 - 1 kg / m ²	X	0.8 - 1 kg / m ²	X	0.8 - 1 kg / m ²	0.8 - 1 kg / m ²
Betw.Two.Coats	4 Hours	X	4 Hours	X	4 Hours	4 Hours
Ready to Use Time	24 Hours	X	24 Hours	X	24 Hours	24 Hours

