



# MS POLYMER

**ISONEM MS POLYMER** is a pure polymer produced using the latest technology and has excellent properties. It is ready to use, UV resistant, glossy, elastic structure. It is used as exterior insulation material on terraces, roofs, balconies, and wet areas, concrete, screed, plaster, wood, metal surfaces, spray polyurethane heat insulation applied surfaces. It is open to light pedestrian traffic and It has quick workmanship.

## USAGE AREAS

- Insulation of terrace roofs and balconies
- Facades
- Roofs, woods
- On old-based bitumen problematic insulation
- On asphalt and concrete floors

## APPLICATION INFORMATION

**Surface preparation:** The floor must be strong, clean and resistant to load. All surfaces must be cleaned from oil, dirt and similar residues before application. In primer application, **ISONEM MS Polymer** is diluted with 200 % water (1 kg MS Polymer:2 kg water) and fed to the surface with a hard brush. The main application should be started after the primer application is waited to dry between 1 - 2 hours.. In steel/metal surfaces, the surfaced should be primed with **ISONEM Anti Rust Primer** (Anticorrosive primer), consumption of 0,250 - 0,350 kg/m<sup>2</sup>.

**Application Method:** **ISONEM MS POLYMER** is ready to use. It is applied to the primed surface in two coats with a brush, roller or a suitable sprayer. Waiting time between the coats is at least 4 hours. The product is produced in two types as "summer" and "winter" in accordance with the climate conditions and air temperature to be applied. The summer product is suitable for applications between 18 - 40 °C and the winter product at 5 - 17 °C.

## TECHNICAL SPECIFICATIONS

- **Density (25°C, g/mL)** : 1,00 ± 0,10
- **pH (25°C)** : 7.0 - 9.0
- **Viscosity (25°C, mPa.s)** : 13000 - 15000
- **Solid content (% Weight)** : 46 ± 2
- **Water transmission rate (kg/ m<sup>2</sup>. h<sup>0,5</sup>)** : < 0,1 CLASS W<sub>3</sub>
- **Adhesion strength by pull-off test (N/mm<sup>2</sup>)** : Crack bridging flexible systems without trafficking ≥ 0.8
- **Permeability to water vapour (m)** : 5 ≤ SD ≤ 50 CLASS II
- **Solvent** : Water
- **Color** : All requested can be produced in colors
- **Product consumption** : 0,8 - 1 kg/m<sup>2</sup> (Color, two/three layers)  
0,3 - 0,5 kg/m<sup>2</sup> (Transparent, three layers)
- **Paintable (Coverage) Area** : 5 - 6 m<sup>2</sup>/ 5 kg bucket (Color, two/three layers)  
10 - 16 m<sup>2</sup>/ 5 kg bucket (Transparent, three layers)  
10 - 12 m<sup>2</sup>/ 5 kg bucket (Color, two/three layers)  
20 - 32 m<sup>2</sup>/ 5 kg bucket (Transparent, three layers)  
18-22 m<sup>2</sup>/ 18 kg bucket (Color, two/three layers)  
30 - 36 m<sup>2</sup>/ 18 kg bucket (Transparent, three layers)

## PACKAGING & STORAGE

- **Packaging** : 5, 10, 18 kg in PP buckets
- **Package temperature (°C)** : 5 - 35 °C
- **Shelf life** : 24 months from date of production if stored in original, unopened, undamaged packages.
- **Storage condition** : Store tightly closed in a dry and cool place.

## ! IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application.

**Depending on the climatic conditions and weather temperature to be applied, you should provide the product as summer or winter. Do not apply around the dew point temperature (2 - 5 °C).**

## APPLICATION CONDITIONS and RISKS

**Things to consider during and after the application**

The application surface must be clean and free from all impurities like dirt, oil, and mud. There should not be exposed to ponding, snow should not accumulate and also the surface should be inclined. Protect from frost.

**Other ISONEM products recommended**

In primer application, the appropriate primer selection depending on the surface is made according to the following table.

**Other ISONEM products recommended**

It should be applied between 18 - 40 °C (Summer application)  
It should be applied between 5 - 17 °C (Winter application)



## General Features



	CONCRETE	MARBLE, GRANITE	RAW WOOD	TILE, CERAMICS	MEMBRANE, SHINGLE	STEEL, METAL
<b>Application</b>	in perpendicular layers to each other	in perpendicular layers to each other	in perpendicular layers to each other	in perpendicular layers to each other	in perpendicular layers to each other	in perpendicular layers to each other
<b>Surface Humidity</b>	Dry surface	Dry surface	Dry surface	Dry surface	Dry surface	Dry surface
<b>Application Tools</b>	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray
<b>Primer Usage</b>	ISONEM MS POLYMER (diluted)	ISONEM MS POLYMER (diluted)	ISONEM MS POLYMER (diluted)	ISONEM MS POLYMER (diluted)	ISONEM MS POLYMER (diluted)	ISONEM ANTI RUST PRIMER
<b>Primer Consumption</b>	100 - 200 g/m <sup>2</sup>	100 - 200 g/m <sup>2</sup>	100 - 200 g/m <sup>2</sup>	100 - 200 g/m <sup>2</sup>	100 - 200 g/m <sup>2</sup>	250 - 350 g/m <sup>2</sup>
<b>Product Usage</b>	2 layers	2 layers	2 layers	2 layers	2 layers	2 layers
<b>Product Consumption</b>	0,8 - 1 kg/m <sup>2</sup> (Color, 2 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)	0,8 - 1 kg/m <sup>2</sup> (Color, 3 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)	0,8 - 1 kg/m <sup>2</sup> (Color, 2 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)	0,8 - 1 kg/m <sup>2</sup> (Color, 3 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)	0,8 - 1 kg/m <sup>2</sup> (Color, 2 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)	0,8 - 1 kg/m <sup>2</sup> (Color, 3 layers) 0,3 - 0,5 kg/m <sup>2</sup> (Transparent, 3 layers)
<b>Between Two Coats</b>	4 Hours	4 Hours	4 Hours	4 Hours	4 Hours	4 Hours
<b>Touch-free Drying</b>	3 Hours	3 Hours	3 Hours	3 Hours	3 Hours	3 Hours
<b>Through Drying</b>	72 Hours	72 Hours	72 Hours	72 Hours	72 Hours	72 Hours

Note : Drying times are approximate data, it may vary depending on ambient conditions.

