ISONEM MS POLYMER TECHNICAL DATA SHEET

Product Name	:	ISONEM MS Polymer
Type	:	One part, solvent-free, pure acrylic-based insulation paint
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 ($kg/ m^2. h^{0,5}$)	:	≤ 0.1, CLASS W_3
Adhesion strength by pull-off test (N/mm^2)	:	Crack-bridging system trafficking ≥ 2,0 With trafficking ≥ 2,0
Permeability to water vapour (m)	:	5 ≤ sD ≤ 50, CLASS II
Brightness (85° angle)	:	≤ 10, CLASS G_3
Solvent	:	Water
Flash Point (°C)	:	N/A (not applicable)
Class of Fire Reaction	:	B S1 d0
Consumption	:	250 – 300 gr/m^2 (one layer) for transparent applications 500 gr/m^2 (one layer) for colored applications
Color	:	Can be produced in any color
Packaging	:	5, 10, 18 kg PE Buckets (being produced in wintery and summery types)
Application Temperature (°C)	:	5 – 35
Storage Temperature (°C)	:	5 – 35
Storage Condition/Shelf life	:	24 months from production date, if stored dry condition
Application Tools	:	Brush, roller, suitable sprayer

USAGE AREA

- Insulations of roof, terrace and balconies
- In exteriors
- In metal roofs, woods
- On bituminous problematic insulations

- On asphalt and concrete surfaces
- Non-cracking, the product will not be removed from the surface

SURFACE PREPARATION

Surface must be clean, uniform, dry, free of dust, oil or grease and loose or weak particles. ISONEM MS POLYMER, diluted to 200%, should be applied with bristle brush as a primer on surfaces and should wait for the dry at least 1 hour.

APPLICATION METHOD

First layer should be applied in one direction only and following layer to be perpendicular to the previous one. Waiting time depends on the ambient temperature, substrate temperature, relative humidity and the thickness of coating applied. Before applying the second layer, make sure that the first layer is totally cured and dry. Wait at least 1 hour.

This product is not generally suitable on its own for waterproofing against hydrostatic pressure. It is recommended to reinforce the vertical and horizontal joints of excessively cracked surfaces by using geotextile protection layer. Freshly applied material should be protected from rain and/or frost and mechanical loads and impacts for 48 hours. ISONEM MS POLYMER should not be applied during rain, fog and temperatures below +5°C.

FEATURES AND BENEFITS

ISONEM MS POLYMER is a one part, solvent-free, pure acrylic-based special waterproofing polymer produced by the latest technology. It is ready to use, UV resistant, bright, hard elastic It is used as an insulation material on terraces, roofs, balconies and wet rooms, concrete, alum, plaster, wood, metal surfaces, spray polyurethane heat insulation applied surfaces, exterior insulation material. It is resistant to light pedestrian traffic. It requires simple and quick workmanship. Very economical due to its low consumption.