

## Natural Stone Insulation Material



POLYME<sup>X</sup>  
THE CONSTRUCTION CHEMICALS COMPANY



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## Product Description

Water insulation material is a transparent, semi – solid, resistance to corrosion and sunlight, with high brightness, single component, and aliphatic polyurethane insulation material. It is used in the insulation and protection of stone and mineral surfaces. It shows its protective effect as a result of reaction with moisture in floor and air.

## Product Features and Technical Advantages

Easy to use (with a roller or brush). It is resistant to UV lights (it doesn't get yellow). It penetrates deep. As its absorbent surface provides a single piece, beamless barrier, it offers an excellent waterproofing and water insulation properties. It provides protection against liquid and dirt combination. It is resistant bacteria and fungus. It protects the surface from color fade effects of UV lights, dirt in air, smoke, industrial smoke, acid rain and provides the surface to remain as it was. It gives very bright appearance to the surface together with a stable wet appearance effect.

## Consumption

Application can be implemented with a brush, roller or airless spray or trowel optionally. The application must be completed within 35 minutes in hot conditions (summer) above 25 °C and within 50 minutes in cold conditions (winter). If it will be used on walls or in water tanks, it is applied on plaster by cleaning the existing paint near the removal and other substances. It must not be wetted, not walk on it and protected for 24 hours.

## Technical Specifications

Color	White, Grey, Blue, Transparent, Cream colored	
Brightness	Bright or mat (optional)	
Binding agent	Polyurethane	
Working temperature	Min. 15 °C	
Density	A comp.: 1.2 gr/ml, B: 1,2 gr/ml	
Mixing ratio	A:B / 4:1	
Application temperature	45 min. in temperature of - 2 °C / + 25 °C	
Pot life	45 m in 25 °C / 40 °C	
Drying time	2 hours (complete dry 48 hours)	
UV resistance	+	
Antibacterial	+	
Bending strength	45 kg/ cm <sup>2</sup>	
Tensile strength	30 kg/ cm <sup>2</sup>	

## Consumption

Surface	Min. T. kg/m <sup>2</sup>	Max. T. kg/m <sup>2</sup>
Concrete	0.9 gr.	1.7 gr.
Metal	0.7 gr.	1.2 gr.
Wood, fiber cement etc.	0.6 gr.	0.9 gr.

## Storage and Shelf Life

Especially, in water reservoirs in indoor and outdoor areas. Insulation of water reservoirs. In screen curtains of roof, terrace and balconies. Water insulation of bath room, swimming pool, kitchen and other similar wet areas (under tiles). Water insulation of flower fields and planting boxes. Water insulation of water storage and distribution channels. Water insulation and protection of bridge, tunnel and similar concrete structures. Water insulation and protection of parking surface.

