MS 80

It is a siloxane-based transparent insulation product that makes surfaces applied water-impermeable preserving its naturalness, does not its appearance and texture without forming a film on the absorbent surfaces on which it is applied. Because it does not form a film layer on the surface, it does not prevent, diminish or distort the breathing capacity of the building or stone. Does not make blackening and embossment. Alkali resistance is very high and so can be applied easily in new or old concretes. It prevents efflorescence and staining composed by reason of mortar of press bricks, natural, artificial stone, plasters which it is applied. It prevents the heat insulation value of buildings from being lost since it prevents wetting. Protects the building from corrosion. It also extends the life of structures.

FEATURES
- **I**t is transparent, does not form a film layer, does not distort the natural image, does not give a bright image like varnish.
- High alkali resistance.
- Does not prevent structures from breathing.
- Long-lasting and economical.
- Prevents contamination, blackening, and discoloration caused by rain. Protects from frost damage and salt vomiting.

USAGE AREAS
It is applied to all kinds of surfaces mineral-based and absorbent. For example; Gross concrete, plaster, brick, briquette, travertine, natural stone, mosaic, gas concrete; tile, etc. It is not applicable to non-absorbent surfaces such as marble, granite, glass, metal, plastic and horizontal absorbent surfaces. **ISONEM MS 80** is used to protect the exterior walls of unpainted and absorbent surfaces from rain and its effects.

APPLICATION INFORMATION
Surface preparation: Application surfaces must be dry, solid and all kinds of dirt, oil, dust must be cleaned. It should not be applied on wet surfaces. It is ensured that the surface must be dry. The layers that reduce the absorbency of the surface should be cleaned. There should not be cracks larger than 1 mm on the application surface and should be repaired if there is any.
Application Method: The application should be at least 2 layers against the top to bottom with the help of a brush, roller or spraying. Before the first layer dries, the second layer should be applied to a wet first layer and it ensures that the surface should be fully saturated. Flammable material shouldn't be used during the application. Eye and skin contact should be avoided, gloves and goggles should be used.

TECHNICAL SPECIFICATIONS
- **Density (25°C, g/mL)** : 0,75 ± 0,10
- **pH (25°C)** : Not applicable (N/A)
- **Viscosity (25°C, mPa.s)** : 0 - 500
- **Depth of penetration (H)** : ≥ 10 mm, CLASS II
- **Water absorption and resistance to alkali test for hydrophobic impregnation (H)** : Absorption ratio <7,5 compared with the untreated specimen, absorption ratio (after immersion in alkali solution) <10%
- **Drying rate for hydrophobic impregnation (H)** : > 10, CLASS II
- **Solvent** : Organic solvent
- **Color** : Transparent
- **Product consumption** : 100 - 200 mL / m² (Depends on the application surface)
- **Paintable (Coverage) Area** : 17,5 - 35 m²/3,5 L canister

PACKAGING & STORAGE
- **Packaging** : 3,5 L canister
- **Storage 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 away from heat and fire.

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

IFlammable material shouldn't be used during the application. Eye and skin contact should be avoided, gloves and goggles should be used.

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. Before the first layer dry, the second layer should be applied to a wet first layer. Not applicable on non-absorbent surfaces and horizontal surfaces.
Other ISONEM products recommended	X
Application temperature	It should be applied between 5 - 35 °C.

General Features

Provides %100 Waterproofing

B fl S1 Fire Class

Fast Drying

	CONCRETE	NATURAL STONE	RAW WOOD	BRICK	MEMBRANE, SHINGLE	STEEL, METAL
Application	Vertical	Vertical	Vertical	Vertical	X	X
Surface Humidity	Dry surface	Dry surface	Dry surface	Dry surface	X	X
Application Tools	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	X	X
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	2 Layers	2 Layers	2 Layers	2 Layers	X	X
Product Consumption	100 - 200 mL/m² (2 Layers)	100 - 200 mL/m² (2 Layers)	100 - 200 mL/m² (2 Layers)	100 - 200 mL/m² (2 Layers)	X	X
Between Two Coats	After the first layer application, the second layer application is started without waiting.	After the first layer application, the second layer application is started without waiting.	After the first layer application, the second layer application is started without waiting.	After the first layer application, the second layer application is started without waiting.	X	X
Touch-free Drying	1 Hour	1 Hour	1 Hour	1 Hour	X	X
Through Drying	24 Hours	24 Hours	24 Hours	24 Hours	X	X

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