



# MS MORTAR

**ACRYLIC REPAIR MORTAR** is an excellent mortar consisting of special mineral fillers and polymer components, ready to use, with strong adherence ability. It never contains cement. Due to its structure, the adherence of **ISONEM MS MORTAR** is excellent. It is easily applied in concrete and crack repairs. It is not affected by sun, snow, rain or water. Chemical resistance is very high. If required, all kinds of paint, insulation, ceramic and marble etc. coating can be applied. It can be produced as thick and fine mortar in preferred colors. It is especially used on surfaces where waterproofing materials will be applied, for fixing surfaces and repairing cracks.

## USAGE AREAS

- From the outer (positive direction) filling of the rod holes in the basic walls,
- In concrete and plaster cracks,
- Segregation and cold joint repairs,
- In chamfers
- In all kinds of repairs and adhesives,
- Concrete and asphalt roads, parks and gardens,
- Correction of damaged surfaces in factory and warehouse floors,
- It is used in one time with thin or coarse plaster coating with plaster mesh instead of jacketing plaster.

## APPLICATION INFORMATION

**Surface preparation:** First of all, the surfaces to be applied are cleaned from dust, dirt, and oil.

**Application Method:** **ISONEM MS MORTAR** is a ready-to-use mortar. It is applied to the crack or segregation in a maximum thickness of 5 mm at one time via trowel or if the crack to be repaired is deep, it should be applied in a number of times, waiting for drying between the layers.

## TECHNICAL SPECIFICATIONS

- **Density (25°C, g/mL)** : 1,70 ± 0,10
- **pH B comp. (25°C)** : 7.0 – 9.0
- **Viscosity B comp. (25°C, mPa.s)** : 15000 - 25000
- **Solid content B comp. (% Weight)** : 85 ± 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, with trafficking 1.5 N/mm<sup>2</sup>
- **Permeability to water vapour (m)** : 5 ≤ S<sub>0</sub> ≤ 50 CLASS II
- **Solvent** : Water
- **Color** : White, gray, red
- **Product consumption** : 0,5 kg/m<sup>2</sup> (for 1 mm thickness)
- **Paintable (Coverage) Area** : 20 m<sup>2</sup>/10 kg PP bucket (for 1 mm thickness)

## PACKAGING & STORAGE

- **Packaging** : 10 kg PP buckets
- **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.



## IMPORTANT

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

## 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.
Other ISONEM products recommended	X
Application temperature	It should be applied between 5 - 35 °C.

## General Features



	CONCRETE	MARBLE, GRANITE	RAW WOOD	TILE, CERAMICS	MEMBRANE, SHINGLE	STEEL, METAL
Application	Repair Mortar	X	X	X	X	X
Surface Humidity	Slightly humid / humid surface	X	X	X	X	X
Application Tools	Trowel	X	X	X	X	X
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	Plaster / Filler	X	X	X	X	X
Product Consumption	0,5 kg/m <sup>2</sup> (for 1 mm thickness)	X	X	X	X	X
Between Two Coats	X	X	X	X	X	X
Touch-free Drying	4 Hours	X	X	X	X	X
Through Drying	14 Days	X	X	X	X	X

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

