



Super Crystallized Waterproofing Mortar

It is a one component cement based super crystalline waterproofing product. It is applied on concrete surfaces both on the negative and positive side so it provides deeply insulate. On the surface it is applied, It produces crystals with reacting with lime particles thanks to super gels inside and penetrates to structure of concrete deeply. It can be applied to new concrete surfaces. It slows down the hydration process on the surface it is applied to and reduces shrinkage crack formation. In addition to waterproofing, it protects concrete against corrosion and dilutes chemicals.

USAGE AREAS

- Waterproofing of horizontal/vertical floors and walls, internally or externally,
- Water tank, waste water, and other water tanks,
- In concrete surfaces exposed to sea water,
- In the basement floor and underground insulation,
- In the insulation of the basic curtain walls internally or externally,
- Irrigation channels and tunnel or dam structures.

APPLICATION INFORMATION

Surface Preparation: The application surfaces must be moistened. The humidification process is carried out 2 hours before the application. This process is not necessary if the surface is wet or wet beforehand. Surfaces to be treated should be free of particles such as oil, dirt, mud. If there are segregation, concrete disturbances and holes, firstly these should be repaired with **ISONEM M 03 Elastic Repair Mortar** with applying **ISONEM D 10 LATEX**. Dilatations should be filled with **ISONEM A4** elastic filler in advance. The mixture should be prepared after the surface is ready.

Preparation Of The Mixture: 7 liters of clean water is poured into a suitable container. When continuous mixing is done, **ISONEM M 35** (20kg) should be poured slowly and mixing should be continued for 5 minutes. Mixing should be done with a drill and mixer if possible. When the mixing process is finished, a homogenous slurry obtained similar to paint consistency and it is applied by brush.

Application Method: The mixture is applied in three coats by brush, wait for 4 hours between the coats. The application should be applied in opposite directions on each layer. The surface should completely close when the application is made three layers. The application should not be done in frost and extreme temperatures and should be carried out in cool environments during the evening or early morning. If a frost occurs in cold areas, the floor or wall should be pre-watered with hot water. Application surfaces should be humidified at 48 hours intervals if the plaster is not applied from behind and will be exposed. This process accelerates the curing process and provides more successful insulation.

CONSUMPTION: 2-3 kg / m² (3 coats). 6 - 10 m² / bag.

PACKAGING: 20 kg craft bag

STORAGE: 24 months in original, unopened package, cool and dry environment.

TECHNICAL SPECIFICATIONS

- **Type** : Cement based, polymer modified
- **Water Transmission Rate (kg/ m². h^{0.5})** : ≤ 0.1, CLASS W₃
- **Permeability to water vapour (m)** : 5 ≤ sD ≤ 50, CLASS II
- **Adhesion strength by pull-off test (N/mm²)** : Crack-bridging system trafficking ≥ 1,0
With trafficking ≥ 2,0
- **PH (25 ° C)** : 12.0 - 13.0

IMPORTANT

The surface should be protected from rain, water, mechanical loads and impacts for 24 hours during and after the application. The application should not be made at frost or extreme heat.

General Features



Provides %100 Waterproofing



A2 S1 d0 Fire Class



Chemical Resistance



Physical Resistance



Application Conditions and Risks

Things to consider during and after the application

The application surfaces must be clean and free from dirt, oil, rust etc...

Applicable temperature

Between +5 and +35°C

ISONEM products for surface preparation

ISONEM M 03 + D 10 Latex + ISONEM A4 used for repairs, filling of gaps dilatation, chamfer application.

Advice for Application

ISONEM M 35, ISONEM M 03, ISONEM D 10 LATEX, ISONEM MS 20 Capillary Plaster and ISONEM M 36 should be used in elevator pits.

Surface Floor



Concrete



Marble, Granite



Raw wood



Tile & Ceramic



Membrane, Shingle etc.



Steel & Metal

Application	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Surface Humidity	Perpendicular to each others	X	X	X	X	X
Application Tools	Humid surface	X	X	X	X	X
Primer Usage	Brush	X	X	X	X	X
Primer.Conspt	X	X	X	X	X	X
Product Usage	3 Layers	X	X	X	X	X
Product.Conspt	0,5 - 1 kg/m ² (1 Layer)	X	X	X	X	X
Betw.Two.Coats	4 Hours	X	X	X	X	X
Red.Pedst.Traf	7 Days	X	X	X	X	X



Finishing

