

ISONEM[®] MS 20

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Waterproofing Products

Capillary Plaster

It is a special plaster produced for the improvement of humid and damaged walls. The walls absorb to existing water which is loaded various salts like carbonate, sulfate, nitrate from the soil in different seasons via capillary canals and spaces. Then the water absorbed from the soil evaporates and the moisture trace of water and the salts absorbed from the soil remained back. These salts accumulate in the wall and the plaster over time, and when they come back in contact with moisture, they come forth from the wall by popping up the paint and even the plaster. In order to solve this problem, **ISONEM MS 20** is made of capillary plaster and water is allowed to evaporate rapidly without any trace of moisture. **ISONEM MS 20** contains micro-spaces that store salts and prevent their expansion. It is prevented that the salts damage to the paint and the plaster thanks to these spaces. It prevents swelling due to the efflorescence. **ISONEM MS 20** is hydrophobic (water repellent). It provides thermal insulation thanks to microcavities up to 40%.

USAGE AREAS

- In humid walls such as bathroom, kitchen, basement,
- On the walls in contact with soil,
- Subbasements and all kinds of paint blistering.

TECHNICAL INFORMATION

- Type: Cement based, one component
- Density (25°C, g/mL): 1.30 ± 0.10
- Capillary water absorption rate: 0.35 kg/m²
- Micro-space ratio (%): 34
- Water penetration depth: 2 mm
- Water retention rate (%): 98

APPLICATION INFORMATION

Surface Preparation : The surface must be cleaned from old salt-damaged plaster and the cracks and gaps should be filled with ISONEM M03 elastic mortar.

Application Method : The salt-damaged plaster layer is completely scraped off by mechanical methods. 4 L water is transferred to a suitable container. mix for 5 minutes until homogenous with a mixer. The application is made in two layers. The first layer is drawn to the surface with a 5 mm thick trowel. The second layer is glued and polished by pulling 2.5 cm thickness after 24 hours. Paint should be made after 14 days. Breath-taking paints should be preferred when selecting the paint type.

COLOR : Gray

CONSUMPTION : 20 kg / m² (for 2.5 cm thick plaster) Min. 1 m² / 1 craft bag

PACKAGING : 20 kg craft bag

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



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

General Features



Provides %100 Waterproofing



A2 S1 d0 Fire Class



Thermal Insulation



Fast Drying



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 D10 Latex for adherence and ISONEM M03 elastic repair mortar for surface repair. ISONEM M03 Elastic Repairing Mortar should be used for repairing of gaps and cracks.

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
Vertical / Horizontal		X	X	X	X	X
Surface Humidity	Humid surface	X	X	X	X	X
Application Tools	Trowel	X	X	X	X	X
Primer Usage	X	X	X	X	X	X
Primer.Conspt	X	X	X	X	X	X
Product Usage	2 Layers	X	X	X	X	X
Product.Conspt	20 kg/m ² (2.5 cm plaster)	X	X	X	X	X
Betw.Two.Coats	24 Hours	X	X	X	X	X
Red.Pedst.Traf	14 Days	X	X	X	X	X



The information given in this technical data sheet has been prepared according to our knowledge, experiment results, and experiences. The correct and successful implementation of our products is completely beyond our control and responsibility. For this reason, our responsibility is limited to the quality of our product only, and this manual overrides all previous technical statements, descriptions and label information.



Finishing



" Our products are not classified by Biocidal Products Regulation "