

ISONEM[®] EP PRIMER

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Floor Coating

Two-Component Solvent Free Epoxy Resin-Based Primer

ISONEM EP PRIMER is an epoxy resin based, two parts, clear and hygienic primer material. It is easy to apply, it has perfect adherence. It has low viscosity and moisture tolerance and very good penetration. It increases the concrete strength by filling the capillary cavities of the concrete floors and acts as an adherence bridge for the epoxy or polyurethane top coat paints and coatings.

TECHNICAL SPECIFICATIONS (23 °C, 50% relative humidity)

- Density [25°C, g/mL] : 1.0 ± 0.10
- Water Transmission Rate [kg/m². h^{0.5}] : ≤ 0.1, CLASS W3
- Permeability to water vapour [m] : sD > 50, CLASS III
- Tensile strength [28 days] : 90 kg/cm²
- Surface temperature to be applied [C°] : 10 - 30
- Pot life [23°C, minutes] : 30 - 40
- Touch drying time [h] : 8 - 10
- Re-coating time [h] : 18 - 48

CONSUMPTION : 0,250 - 0,4 kg/m² (It may change according to application conditions.) 12,5 - 20 m² / 1 set

COLOR : A: Transparent B: Brown liquid

PACKING : 5 kg set (A Component: 3,1 kg canister, B Component: 1,9 kg canister)

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

Opened packages should be used within 1 week under appropriate storage conditions without mixing with components A and B.

APPLICATION INFORMATION

Surface Preparation : All free loose material must be removed from the surface. All oil and dirt on the surface should be cleaned by blasting with sandblasting or compressed air. The temperature of the surface should be + 3°C above the dew point.

Mixture Preparation : ISONEM EP PRIMER is supplied in ready-to-use kits according to the mixing ratio. The mixture should be prepared to be applied according to the life of the mixture. Before starting mixing, ensure that the material temperatures are between 15 and 25°C. Component A should be thoroughly mixed with a mixer at 300 - 400 rpm for 2 - 3 minutes without entraining air. Subsequently, all of component B must be poured into component A and ensure that there is no material left inside the B component. Mix for at least 4 minutes until a homogeneous mixture is obtained and the prepared mixture should be consumed within 30 - 40 minutes.

Application Method : ISONEM EP PRIMER should be applied with brush or roller in order to obtain the desired thickness. When the mixture is got the suitable consistency, if it is necessary, the air of the application should be removed via spiked roller.

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

General Features

- Chemical Resistance
- C II S1 Fire Class
- Humidity Tolerance
- High Penetration

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 M03 repair mortar should be used for surface repairing.



Finishing



Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	Horizontal	Horizontal	Horizontal	Horizontal	X	Horizontal
Surface Humidity	Dry / Slightly Humid	Dry / Slightly Humid	Dry / Slightly Humid	Dry / Slightly Humid	X	Dry / Slightly Humid
Application Tools	Roller (synthetic epoxy), brush, spray	Roller (synthetic epoxy), brush, spray	Roller (synthetic epoxy), brush, spray	Roller (synthetic epoxy), brush, spray	X	Roller (synthetic epoxy), brush, spray
Primer Usage	X	X	X	X	X	X
Primer Conspt	X	X	X	X	X	X
Product Usage	Used as Primer	Used as Primer	Used as Primer	Used as Primer	X	Used as Primer
Product Conspt	0.25 - 0.4 kg/m ²	0.25 - 0.4 kg/m ²	0.25 - 0.4 kg/m ²	0.25 - 0.4 kg/m ²	X	0.3 - 0.4 kg/m ²
Betw. Two Coats	18 - 24 Hours	18 - 24 Hours	18 - 24 Hours	18 - 24 Hours	X	18 - 24 Hours
Ready to Use Time	24 Hours	24 Hours	24 Hours	24 Hours	X	24 Hours
Curing and Ready for Pedestrian Traf.	3 Days	3 Days	3 Days	3 Days	X	3 Days



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.

"Our products are not classified by Biocidal Products Regulation"