

ISONEM® FLOOR 2K

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Floor Coating

Solvent Free Epoxy Based Coating

Solvent-free epoxy resin based surface coating system which is developed for protection to concrete and metal surfaces against chemical and physical external effects very high chemical and physical resistance coatings creating and can be applied in the form of thick coats.

USAGE AREAS

In areas where industrial plants, factories, refineries, and pharmaceuticals are produced. It is used as a durable long-lasting coating in acid production facilities, chemical plants, laboratories, automotive industry areas, treatment plants, water tanks, metal, and concrete floors and walls.

TECHNICAL SPECIFICATIONS

- Permeability to water vapour (m) : sD> 50, CLASS III
- Mixing Ratio : 4 kg paint (A) + 1 kg hardener (B)
- Potlife (23°C) : 30 - 40 Min.
- Dust-free Drying : 1.5 - 2 hours,
- Touch-free Drying : 6 hours,
- Hard Drying: 18 - 24 hours,
- Through Drying : 3 days,
- Physical And Chemical Resistance : 7 - 10 days
- Water Transmission Rate (kg/ m2. h0,5) : ≤ 0.1, CLASS W3
- Density (Mixture, 25°C, g/mL) : 1.55 ± 0.1

APPLICATION INFORMATION

Concrete Surface Preparation : Concrete surfaces must be free of all oil, dirt, dust and loose material, contamination and must be completely dry and clean. For new poured concrete surfaces, the drying time should be 21 days.

Steel and metal surface preparation : The metal surfaces to be applied must be completely cleaned from all kinds of oil, dust, rust and similar materials that will prevent the paint adhering to the surface between the paint and the floor. If there is old epoxy paint on the surface and cannot be removed, the surface of the old paint should be roughened with sandpaper and cleaned with solvent. Before ISONEM FLOOR 2K application, all surfaces should be primed with ISONEM EP PRIMER (Epoxy based primer) with 0,250 - 0,4 kg/m² consumption.

Preparation Of The Mixture : First, open the box of the solvent-free paint (component A) and stir for a few minutes. Then, by adding the hardener (B-Component), the mixture is mixed for a further two minutes until the mixture is homogeneous. Mixing ratios of 4: 1 ratio is very important. The material must be mixed at exact proportions.

Application Method : The mixture is applied to the prepared surface with a brush, roller or a suitable sprayer. The second layer application should be made as soon as the first layer dry, before exceed 24 hours. The application must always be in the same direction.

COLOR : Produced in Ral colors.

CONSUMPTION : 1 kg / m² (2 coats). Min 5 m² / 1 tin box

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

PACKING TYPE : 5 kg set (Solvent-free epoxy paint 4 kg canister, Hardener 1 kg canister)

IMPORTANT

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

Food grade

High Adhesion Strength

C fl S1 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 EP PRIMER should be used as primer application.

Application Conditions

It should be waited 1 day after primer application.



Surface Floor	Concrete	Marble, Granite	Raw wood	Tile & Ceramic	Membrane, Shingle etc.	Steel & Metal
Application	Same direction as the first layer	Same direction as the first layer	Same direction as the first layer	Same direction as the first layer	X	Same direction as the first layer
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	ISONEM EP PRIMER	ISONEM EP PRIMER	ISONEM EP PRIMER	ISONEM EP PRIMER	X	ISONEM EP PRIMER
Primer.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	0,25 - 0,4 kg/m ²
Product Usage	2 Layers	2 Layers	2 Layers	2 Layers	X	2 Layers
Product.Conspt	1 kg/m ²	1 kg/m ²	1 kg/m ²	1 kg/m ²	X	1 kg/m ²
Betw.Two.Coats	6 - 24 Hours	6 - 24 Hours	6 - 24 Hours	6 - 24 Hours	X	6 - 24 Hours
Application	3 Days	3 Days	3 Days	3 Days	X	3 Days



SZUTEST



Finishing



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 "