



EP PRIMER

SOLVENT FREE EPOXY PRIMER, it is transparent, hygienic primer material. It is easy to apply, it has perfect adherence. It is epoxy resin base, solvent-free, two - component. It has very good penetration, low viscosity and moisture tolerance. 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 topcoat paints and coatings.

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. The temperature of the surface should be + 3°C above the dew point when the application is done.

Mixture preparation: ISONEM EP PRIMER is supplied in ready-to-use kits according to the mixing ratio. The mixture should be prepared to be enough amount for application by taking into account 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.

TECHNICAL SPECIFICATIONS

- **Density A comp. (25°C, g/mL)** : 1,00 ± 0,10
- **Viscosity A comp. (25°C, mPa.s)** : 500 - 2000
- **Solid content (% Weight)** : 100
- **Water transmission rate (kg/ m². h^{0.5})** : < 0,1 CLASS W₃
- **Adhesion strength by pull-off test (N/mm²)** : Rigid system without trafficking ≥ 1.0 N/mm², with trafficking ≥ 2,0 N/mm²
- **Permeability to water vapour (m)** : 5 ≤ S_p ≤ 50 CLASS II
- **Pot life (23°C)** : 30 - 40 minutes
- **Solvent** : Organic solvent
- **Color** : Transparent
- **Product consumption** : 0,25 - 0,4 kg/m²
- **Paintable (Coverage) Area** : 2 - 3,2 m² /0,8 kg set
5 - 8 m² / 2 kg set
12,5 - 20 m² /5 kg set,

PACKAGING & STORAGE

- **Packaging** : 0,8 kg set (Component A: 0,5 kg can, Component B: 0,3 kg can)
2 kg set (Component A: 1,25 kg can, Component B: 0,75 kg can)
5 kg set (Component A: 3,1 kg can, Component B: 1,9 kg can)
- **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 away from heat and fire.



IMPORTANT

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

A and B components should be consumed within 30-40 minutes after mixing (23°C). At lower temperatures, the pot life is extended and at higher temperatures, the pot life is shortened. Mixing the A and B components at high speeds and for a long time will cause shortening of the pot life and should be avoided.

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

ISONEM M 03 elastic repair mortar should be used for filling cracks and voids mortar.

Application temperature

It should be applied between 5 - 35°C.



General Features



Chemical Resistance



C fl S1 Fire Class



Humidity Tolerance



High Penetration



CONCRETE



MARBLE, GRANITE



RAW WOOD



TILE, CERAMICS



MEMBRANE, SHINGLE



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 Surface
Application Tools	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	Roller, brush, spray	X	Roller, brush, spray
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	Primer Application	Primer Application	Primer Application	Primer Application	X	Primer Application
Product Consumption	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
Between Two Coats	24 Hours	24 Hours	24 Hours	24 Hours	X	24 Hours
Touch-free Drying	8 - 10 Hours	8 - 10 Hours	8 - 10 Hours	8 - 10 Hours	X	8 - 10 Hours
Through Drying	7 Days	7 Days	7 Days	7 Days	X	7 Days

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

