



ANTI RUST PRIMER

It is an epoxy resin-based anticorrosive primer that is applied directly to all metal surfaces and protects the surface it is applied against corrosion thanks to its high anticorrosive structure. In addition to excellent adhesion, it dries quickly and is easy to work with.

USAGE AREAS

Suitable for use as an anti-corrosive primer on all metal surfaces where corrosion resistance is required. It is also used for corrosion protection of concrete structures. It is used as a primer before applications of Isonem Anti Fire Paint Plus for Steel Structures 120 min Fire Resistant Paint.

APPLICATION INFORMATION

Surface preparation: Application surfaces should be cleaned from foreign objects which reduce adhesion like oil, dust, dirt, etc., and completely dry and clean. Metal surfaces should be sandblasted at least Sa 2 1/2 degree and they should be primed with Isonem Anti Rust Primer within 6 hours. After hard drying of the primer is completed (5 - 6 hours later), it is proceed to topcoat application. It should be noted that temperatures of materials are min. +15°C before application.

Application Method: It is produced in ready-to-use sets according to mixing ratios. No thinning is required. Component A is mixed with a low-speed mixer with the appropriate mixing tip and hardener component B is added while continue mixing Care should be taken to ensure that the walls and bottom of the container are mixed well and that the mixture is homogeneous. After the mixture is rested for 10-15 minutes, it is applied with a short hard bristle brush, short hair roller or airless spray. When the second coat application is required, the application of the second coat should be done when the surface of the first coat dries. If this time has elapsed, the surface should be roughened before the topcoat application.

TECHNICAL SPECIFICATIONS

- **Density A comp. (25°C, g/mL)** : 1,55 ± 0,10
- **Viscosity A comp. (25°C, mPa.s)** : 2000 - 4000
- **Density A+B comp. (25°C, g/mL)** : 1,50
- **Viscosity A+B comp. (25°C, mPa.s)^{0,5}** : 500 - 2500
- **Water transmission rate (kg/ m². h)** : < 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)** : 2 - 3 Hours
- **Solvent** : Organic solvent
- **Color** : Off-white
- **Product consumption** : 0,25 - 0,30 kg/m²
- **Paintable (Coverage) Area** : 15 - 20 m²/5 kg set

PACKAGING & STORAGE

- **Packaging** : 5 kg set (Component A: 4,5 kg, Component B: 0,5 kg)
- **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.

Component A and component B should be consumed within 2-3 hours after mixing (23°C). At lower temperatures the mixing life is extended and at higher temperatures the mixing life is shortened.

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 MD3 elastic repair mortar should be used for filling cracks and gaps on concrete surfaces. It should be used suitable protective topcoat product in metal applications (Anti Fire Paint Plus, MS Polymer etc.).

Application temperature

It should be applied between 5 - 35 °C.



General Features



Chemical Resistance



Anticorrosive



C fl S1 Fire Class



Physical Resistance



Excellent Adhesion

	CONCRETE	MARBLE, GRANITE	RAW WOOD	TILE, CERAMICS	MEMBRANE, SHINGLE	STEEL, METAL
Application	Horizontal / Vertical	X	X	X	X	Horizontal / Vertical
Surface Humidity	Dry Surface	X	X	X	X	Dry Surface
Application Tools	Roller, brush, spray	X	X	X	X	Roller, brush, spray
Primer Usage	X	X	X	X	X	X
Primer Consumption	X	X	X	X	X	X
Product Usage	Primer application	X	X	X	X	Primer application
Product Consumption	0,25 - 0,30 kg/m ²	X	X	X	X	0,25 - 0,30 kg/m ²
Between Two Coats	5 - 24 Hours	X	X	X	X	5 - 24 Hours
Touch-free Drying	5 - 6 Hours	X	X	X	X	5 - 6 Hours
Through Drying	? Days	X	X	X	X	? Days

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

