

ISONEM EP PRIMER TECHNICAL DATA SHEET

Product Name	: ISONEM EP Primer
Type	: Two component, solvent free epoxy based primer
Density A Comp. (25°C, g/mL)	: 1.00 ± 0.10
pH (25°C)	: N/A (not applicable)
Viscosity A Comp. (25°C, mPa.s)	: 500 - 2000
Solid Content (% Weight)	: 100
Water Transmission Rate (kg/ m². h^{0,5})	: ≤ 0.1, CLASS W ₃
Adhesion strength by pull-off test (N/mm²)	: Rigid system without trafficking ≥ 4,0 With trafficking ≥ 5,0
Permeability to water vapour (m)	: sD > 50, CLASS III
Brightness (60° angle)	: > 60, CLASS G ₁
UV-stability	: Not resistant
Solvent	: Organic solvent
Volatile Organic Compounds, VOC	: 0 %
Class of Fire Reaction	: C fl S1
Consumption	: 0,250 – 0,400 kg / m ² (Two layers)
Color	: A Comp.: Transparent B Comp.: Brown liquid
Packaging	: 5 kg ready to use set (A Component: 3,1 kg, B Component: 1,9 kg canister)
Storage Temperature (°C)	: 5 – 35
Storage Condition/Shelf life	: 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 Tools	: Roller, brush or suitable spray gun

USAGE AREAS

- On steel or concrete.
- Reservoir coatings.
- Bund linings.
- Food production areas.
- Cleanroom floors and walls.
- Pipe linings.

- Metal tank coating and lining.
- Nuclear industries.
- Aquariums.
- Process areas.

APPLICATION INFORMATION

- **Surface Preparation:** All free crumb material must be removed from the surface. All oil and dirt on the surface should be cleaned by blasting with blasting or compressed air. The temperature of the dew point 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.

FEATURES AND BENEFITS

It is easy to apply, perfect adherence. It is an epoxy resin based, solvent-free, two-component. It has low viscosity and moisture tolerant and very good penetrates. It increases the concrete strength by filling the capillary cavities of the concrete floors and acts as an adherence bridge for the future epoxy or polyurethane paints and coatings.

- Excellent decontaminability.
- Hygienic.
- Non-taint.
- High film thickness.
- Solvent free.
- Excellent chemical resistance.
- Good abrasion resistance.
- Durable.
- Sprayable.
- Damp tolerant (no vapour pressure).
- Vapour proof.
- Suitable for drinking water contact.