



ISOWEIR[®]
PAINT & INSULATION SYSTEMS

ÇİNKO FOSFAT EPOXY

PRODUCT DESCRIPTION

ISOWEIR ZINC PHOSPHATE EPOXY, is an epoxy based, two-component primer with high adhesion. Since it contains zinc phosphate, it has high corrosion resistance. Its adhesion to sheet metal and steel surfaces as well as aluminum and galvanized surfaces is excellent.

AREAS OF USE

It is non-toxic and can be used in food warehouses. It is successfully applied to all kinds of metal surfaces in the automotive and sub-industry, especially in the construction of commercial vehicles and on-board equipment. It can be used as a first coat primer or base coat in the manufacture of steel structures where high corrosion resistance is required. It is used as a first coat primer for the protection of metal surfaces of industrial plants and marine vessels in continuous watery and muddy heavy ambient conditions.

APPLICATION

Surface Preparation: All kinds of undesirable substances such as oil, dirt, rust, old paint, mill shell on the surface should be removed from the surface by sand blasting and / or other mechanical and chemical methods (until glossy metal is obtained). The scraped surface should be cleaned with dry air. Sand blasting at SA 2.5 is recommended for surface cleaning. ISOWEIR ZINC PHOSPHATE EPOXY should be applied as soon as possible before oxidation starts on metal surfaces.



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Product Preparation and Application: The mixing ratio should be 20 kg of Component A and 6 kg of Component B by weight. Component A should be mixed with a low speed mixer until homogenized. Then Component B should be added to component A and the mixture should be mixed at about 100 rpm for at least 2 minutes. As the amount of contents you are mixing increases, you may need to increase your mixing time or mixing speed. As soon as you start mixing, there will be a cloudy appearance in the system at first, and as the mixing continues, it will start to become transparent again. After opening the package, ISOWEIR ZINC PHOSPHATE EPOXY is homogenized by thoroughly mixing preferably with a drill motor and mixed with the second component at the specified ratio. The environment should be very well ventilated during indoor applications, and tools and processes related to electricity and flame should not be in the same environment due to the solvents contained in the primer.

Points to be Considered: Eyes should be protected during the application. It is recommended to wear gloves.

FEATURES, ADVANTAGES

- ◆ Since it contains zinc phosphate, it has high corrosion resistance.
- ◆ Its adhesion to sheet metal and steel surfaces as well as aluminum and galvanized surfaces is excellent.
- ◆ Since it does not contain lead and zinc chromate, it is a suitable priming system in terms of environmental pollution.
- ◆ It is resistant to physical and chemical effects.

HEALTH AND SAFETY INFORMATION

- ◆ Please consider the hazard and precautionary statements indicated on the product packaging.
- ◆ Follow the guidelines specified in the product's safety data sheet.
- ◆ In case of unexpected health issues, consult the nearest healthcare facility.



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TECHNICAL SPECIFICATIONS

Color	White, Gray, Red
Gloss	Matte
Appearance	-
Density (20 °C)	1,35 kg/l tixotropic liquid
Mixing Ratio (% Weight)	Component A 76.92% Component B 23.08%
Dry Film Thickness	50-70 microns
Wet Film Thickness	100 microns
Solid Matter (% Weight)	%60
Heat Strength (°C)	150 °C
Application Temperature (°C)	5 °C – 35 °C
Application Apparatus	Roller, brush, spray gun
Thinning Rate	%10 - %15 (Epoxy Thinner)
Mixture Life (20 °C)	6 hours
Amount of Use m ² /kg	0,150 kg
Drying Time (25 °C)	Initial Curing: 1-2 hours Second coat: 12 hours Curing Period: 7 days
Packaging	Component A 20 kg Component B 6 kg Tin bucket
Storage Temperature	It should be stored in a place not exposed to direct sunlight, protected from frost, in closed packaging at 5 °C - 35 °C.
Storage Duration	1 Year
Quality Certificate	ISO 9001

