UNIPOX EPOXY TOP COAT PAINT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Epoxy resin based, two-component reaction-drying topcoat.

PRODUCT FEATURES

- Excellent adhesion
- Resistant to chemicals
- Wear resistant

RECOMMENDED FOR

- Steel, galvanized steel, aluminum, wood and mineral surfaces
- Wood, metal and mineral surfaces which is exposed to water, sea water, various chemicals and abrasion.
- In general industrial machinery and metal protection.
- Marine applications.

Drying time		
Touch dry	5-6	hour
Full Dry	24	hour
Chemical Curing	7	day

SURFACE

Before the application all surfaces must be cleaned from dust, oil and rust.

Metal Surfaces

Metal surfaces should be sanded with at least Sa2 1/2 degree and primed in 6 hours with anticorrosive epoxy primer. Application of the topcoat should be done after drying of the primer, 4-6 hours later.

Old Painted Surfaces

Loose and swelled parts on previously painted surfaces should be removed by mechanical means such as scrubbing wire. All surfaces should be cleaned of dusts. Water-soluble agents should be removed by washing, steaming or chemical methods. Oil residues must be removed with alkaline or solvent cleaning. Rust on iron surfaces must be removed by sanding or grit blasting.

Polisan Kansai Boya San. ve Tic. A.Ş.
Headquarters: İçerenköy Mah. Ali Nihat Tarlan Cad. No:86 Ataşehir 34752 İSTANBUL / **Phone:** +90 (0216) 578 56 00
Factory: Dilovası Organize Sanayi Bölgesi 1. Kısım Liman Cad. No:7 Dilovası / KOCAELI **Phone:** +90 (0262) 679 71 00
www.kansaipolisan.com

Revision No: 07
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Sample Text

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APPLICATION

Aplication Temperature	min +5 °C / max + 35 °C

Recommended Film Thickness

Wet Film Thickness (micron)	: 100-120
Dry Film Thickness (micron)	: 50-60
Consumption (m^2 / L)	: 6-7
Consumption (m^2 / kg)	: 4-5

Actual coverage may vary depending on surface texture, porosity, and application method.. Does not include the loss of material.

Application should not be done around dew point. Application area should be well ventilated for proper drying. Moisture content of the surface should not exceed 4%.

Mixing Ratio

	By Volume	By Weight
UNIPOX EPOXY TOP COAT PAINT	2.8	5
UNIVERSAL EPOXY HARDENER	1	1
EPOXY THINNER	20-30%	10-15%

Component A and Component B are mixed until a homogeneous mixture is obtained.

After stirring it should be kept for 15 minutes prior to the application for the reaction.

Application Equipment

Brush	Brush can be used in small areas.	
Roller	Bubble formation in the roller application should be monitored and if there is any, bubbles should be destroyed with a soft long-bristled brush.	
Air (Airmix) Spray	Nozzle diameter 1.4-1.6 mm	Nozzle pressure 3-4 bar
Airless Spray	0.33 - 0.46 mm	15 MPa

Spray angle should be 40-80 °.

POZ No.

04.551/08

STORAGE and PACKAGING

Packaging	24 kg Set(20 kg A+4 kg B)
Storage Conditions	Store between 5-30°C in sealed packages away from direct sunlight. Keep the packaging closed when not in use. Protect from frost.
Shelf life	2 years

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HEALTH AND SAFETY INFORMATION

Refer to the instructions specified in the harmfulness and precautionary statements on the product packaging.
Product of the safety data sheet should be treated by the rules.
Refer to the nearest health facility for unexpected health problems.

LEGAL NOTES

All the information and guidelines given in this technical bulletin was formed and developed through the experience in the laboratories of Polisan Kansai Paint, and was systematically collected by our field engineers. “Polisan Kansai Paint"has the right to make changes in the product where necessary, without notice. The information given above is valid for the product from the date of publication.It is the user's responsibility to verify the accuracy of the information. The product should be used based on the technical information form for the recommended purpose. It is the responsibility of the users to implement all measures for the fulfilment of the specified requirements.
The data in the technical information form is designed to give descriptions of the product performance, under specific test conditions. An important factor in product performance is the variables that may occur in the initial process which should be used as a general guide to the user. Any unauthorised use of this product not covered in the written guidelines, Polisan Kansai Paint will not be held legally responsible.
It is always the responsibility of the user to take all necessary precautions regarding specific requirements of the law set out in local and national legislation. Follow the rules of the safety information provided in the Safety Data Sheet regarding operating procedure of the product, protective equipment, storage, fire and first aid etc. Conditions regarding the use of this product after its end date has no warranty. We can not accept responsibility for products past their expiry date. Responsibility can not be accepted.

Please contact the Technical Service department for more detailed information about the product.