POLIDUR GLOSSY PAINT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Synthetic urethane resin-based, two-component, reaction dry, cured with aliphatic isocyanate, high gloss POLYURETHANE finish.

PRODUCT FEATURES

- High gloss
- UV resistance
- Durability

RECOMMENDED FOR

- General industrial machinery and metal conservation.
- Steel structures.
- Marine applications.

Drying time

Touch dry	1-2	hour
Full Dry	7-8	hour
Chemical Curing	7	day

** The specified drying time; [lt] is available in 23 C ambient temperature and 50 ± 2% relative humidity conditions.*

SURFACE

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

Metal Surfaces

The surface should be cleaned of from any materials decreasing adhesion strenght. Metal surfaces should be sanded with grade Sa2 ½ (ISO 8501-1 ,SSPC-SP10) at least. Than, should be primed with Epoxy Anticorrosive Primer or PU Anticorrosive Primer in 6 hours. Topcoat application can be done 4-6 hours after primer. Surface temperature should be min. 3°C higher than the dew point. For the topcoat application, 24 hours should be passed between the application of the two layers.

Old Painted Surfaces

Loose and swelled parts on previously painted surfaces should be removed. In order to create a uniform and leveled surface, it should be sanded and filled with an epoxy putty. All surfaces should be cleaned of dusts.

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Revision No: 08
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Sample Text

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APPLICATION

:

Recommended Film Thickness

Wet Film Thickness (micron)	: 115-140
Dry Film Thickness (micron)	: 50-60
Consumption (m^2 / L)	: 6-7
Consumption (m^2 / kg)	: 5-6

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
POLIDUR GLOSSY PAINT	3	4
PUR-ACRYL PAINT HARDENER	1	1
Acrylic Thinner	20-25	15-20

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

The application time for mixture (gel time - 250 g mixture / 23 °C / 50% RH) : 3 hours

After stirring with provided information, it should be waited for 15 minutes for pre-reaction before application.

Application Equipment

Brush	Can be used in small areas.	
Roller	Check for formation of bubbles when applied with a roller slightly spread with soft long haired brush.	
Air (Airmix) Spray	Nozzle diameter	Nozzle pressure
	1.4-1.6 mm	3-4 bar
Airless Spray		

STORAGE and PACKAGING

Packaging	20 kg Set(16 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

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.