

Korepox 501HB

Two Pack Polyamide Cured Epoxy

Product Description

Korepox 501HB is a high build polyamide cured epoxy solvent based intermediate coating. It provides good intercoat adhesion and enhanced corrosion protection to substrates. Micaceous iron oxide (MIO) can be added to improve overcoating properties and provide better corrosion resistance.

Recommended Use

Intermediate coat for steel substrates in mild to aggressive industrial environments.

Product Information

Binder	: Epoxy
No. of Components	: 2
Solids (% by Volume)	: 75 ± 2 %
Flash Point	: 27°C (when mixed)
Colour	: Off White, Grey, MIO Silver Grey, MIO Dark Grey
Finish	: Matt

Application Information

Substrate	: Steel
Recommended No. of Coats	: 1
Recommended Wet Film Thickness	: 135 to 265 µm / Coat
Recommended Dry Film Thickness	: 100 to 200 µm / Coat
Theoretical Spreading Rate	: 4 to 7.5 m ² / L / Coat
Specific Gravity	: Approx. 1.60 (1.90 for MIO)

Application Methods

Applied By : Brush / Roller / Spray / Airless Spray

* Brush and Roller recommended for stripe coating and small areas only

* Airless Spray Recommended Tip Size: 0.53 - 0.63 mm (21 - 25 thou)

* Airless Spray Recommended Pressure: 140 - 165 kg/cm² (2000 - 2400 psi)

Thinner : Thinner 56 (5% maximum addition)

Clean Up : Cleaner 12

Packaging & Storage

Packaging : 5.0 Litres (3.75 Litres Part A : 1.25 Litres Part B)
20.0 Litres (15.0 Litres Part A : 5.0 Litres Part B)

Shelf Life : 12 months - Unopened

Storage : Cool, dry and well ventilated area away from heat and direct sun light. Lid must be kept tightly closed.

Disclaimer : The above information is given to the best of our knowledge based on laboratory testing and practical experiences. The information in this data sheet may be subject to changes from time to time and without notice due to production refinements arising from continuing research and evaluation programmes, which may occasionally result in marginal changes in the coating properties.

Technical Data Sheet - Korepox 501HB

Curing Time					
Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
			Minimum	Maximum	
15 °C	4 hours	8 hours	12 hours	Indefinite	12 hours
25 °C	2 hours	5 hours	8 hours	Indefinite	8 hours
35 °C	1 hours	4 hours	4 hours	Indefinite	4 hours

*The properties above may vary with surface temperature, site environment, film thickness, etc.

Typical Painting System		
System	Product	No. of Coats
Primer	Recommended KCC Primer	1
Intermediate	Korepox 501HB	1
Finish	Recommended KCC epoxy or polyurethane finish	1
Repair Coat	Touch up with Korepox 501HB or K'mastic 5000	1

Surface Preparation

All surface to be coated should be clean, dry and free from contamination as in accordance to ISO 8504. Oil and greasre must be removed by solvent cleaning as in accordace to SSPC -SP1. Korepox 501HB should be applied over a KCC approved anti-corrosive primer. The primed surface should also be clean, dry and free from all contamination. Korepox 501HB must be applied within the recommended overcoating intervals of the primer coat.

Preapplication Conditions

- 1) The surface temperature should be 3°C above the dew point and should not exceed 50°C.
- 2) The relative humidity should be between 60% and 85%.
- 3) Paint application shall not commence when there is a likelihood of an unfavourable change in weather condition within 2 hours after painting.
- 4) The Hardener (Part B) should be added to the Base (Part A) slowly while stirring with a mechanical agitator. Ensure all components are mixed together in a uniform and homogenous manner before application.

Product Limitations

Korepox 501 HB is not designed for continuous water immersion. In common with all epoxies, Korepox 501HB will chalk and discolour on external exposure and weathering. This phenomenon is not detrimental to the paint's anti-corrosive performance. Korepox 501HB is recommended to be overcoated with a durable high performance polyurethane finish for better weathering resistance. Maximum film build in a single coat is best achieved by airless spray. For brush and roller applications, multiple coats will be required to achieve the required DFT.

Safety Precaution

This product is flammable and must be kept away from any source of ignition. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. Keep out of reach of children.

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