



Korepox EP 118

Epoxy Primer / Sealer

Protective Coating

Generic Type	Two pack polyamide cured epoxy. Base and hardener to be mixed prior to application.																																									
General Properties	Korepox EP 118 is a versatile fast drying primer with excellent penetrating properties when coated over concrete surfaces. It provides excellent sealing and promote a strong adhesion between the concrete substrate and the subsequent coating. It meets the requirements of ASTM C309 Type 1 for Moisture Retention of Concrete.																																									
Uses and Properties	Korepox EP 118 is widely used as an anti dust sealer or primer for new concrete surfaces. It is normally used as a primer in combination with KCC range of intermediate and finish coats for factories, car parks, electronic plants, schools, hospitals, pharmaceutical and food processing plants.																																									
Technical Information	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Finish</td><td>.....</td><td>Gloss</td></tr> <tr><td>Color</td><td>.....</td><td>Clear</td></tr> <tr><td>Component</td><td>.....</td><td>Two</td></tr> <tr><td>Volume Solids</td><td>.....</td><td>29 ± 2%</td></tr> <tr><td>Dry Film Thickness</td><td>.....</td><td>40 um</td></tr> <tr><td>Flash Point</td><td>.....</td><td>12 deg. C</td></tr> <tr><td>Specific Gravity</td><td>.....</td><td>Approx. 0.90 (mixed)</td></tr> <tr><td>Temperature Resistance</td><td>.....</td><td>90 deg. C (continuous)</td></tr> <tr><td></td><td></td><td>125 deg. C (intermittent)</td></tr> <tr><td>Packaging</td><td>.....</td><td>5.0 litres (4.0 litres Part A : 1.0 litres Part B)</td></tr> <tr><td></td><td></td><td>20.0 litres (16.0 litres Part A : 4.0 litres Part B)</td></tr> <tr><td>Shelf life</td><td>.....</td><td>12 months minimum</td></tr> </table>						Finish	Gloss	Color	Clear	Component	Two	Volume Solids	29 ± 2%	Dry Film Thickness	40 um	Flash Point	12 deg. C	Specific Gravity	Approx. 0.90 (mixed)	Temperature Resistance	90 deg. C (continuous)			125 deg. C (intermittent)	Packaging	5.0 litres (4.0 litres Part A : 1.0 litres Part B)			20.0 litres (16.0 litres Part A : 4.0 litres Part B)	Shelf life	12 months minimum
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Typical Painting System	Substrate Surface			Primer																																						
	Steel / Concrete			Korepox EP 118																																						
	Normally overcoat with an epoxy intermediate coat and an epoxy or polyurethane finish.																																									
Application Method	Airless Spray			Tip Size : 0.43 - 0.58 mm (17 - 23 thou)																																						
	Recommended method of application			Pressure : 110 - 160 kg / cm ² (1600 - 2300 psi)																																						
	Conventional Spray		: Can be used																																							
	Brush or Roller		: Recommended for stripe coating and small areas only																																							
Drying & Curing Time	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life																																				
				Minimum	Maximum																																					
	15 deg. C	60 mins	5 hours	8 hours	Indefinite	10 hours																																				
	25 deg. C	45 mins	3 hours	4 hours	Indefinite	5 hours																																				
35 deg. C	30 mins	2 hours	2 hours	Indefinite	3 hours																																					
	*The properties above may vary with surface temperature, site environment, film thickness, etc.																																									
Thinners & Cleaners	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Thinner</td><td>: Thinner 56 (5% maximum addition)</td></tr> <tr><td>Cleaner</td><td>: Cleaner 12</td></tr> <tr><td>Storage</td><td>: Always store thinner and cleaner in a cool and shaded area. Exposure to direct heat is not recommended.</td></tr> </table>						Thinner	: Thinner 56 (5% maximum addition)	Cleaner	: Cleaner 12	Storage	: Always store thinner and cleaner in a cool and shaded area. Exposure to direct heat is not recommended.																														
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The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can guarantee the quality of product itself.

Surface Preparation	All surface to be coated must be clean, dry and free from contamination in accordance to ISO 8504. Oil and grease must be removed by solvent cleaning in accordance to SSPC - SP1.
Application Temperatures	Air and surface temperature should be between 20 to 45 deg. C and surface temperature must be minimum 3 deg C. above dew point.
Mixing	Korepox EP 118 is supplied in 2 components, Part A - Base and Part B - Hardener. The Hardener (Part B) should be slowly added to the Base (Part A) while continuous stirring with a mechanical agitator.
Repair / Topcoating	Damaged areas should be touch up with a coat of Korepox EP 118. Always ensure the surface is sound, intact and free from oil and grease contaminations before applications of the touch up repair coat.
Product Limitations	<p>In common with all epoxies, Korepox EP 118 will chalk and discolour on external exposure and weathering and this phenomenon is not detrimental to the protection performance.</p> <p>Application of thickness more than 50 microns in a single coat will extend both the minimum coating intervals and handling times.</p> <p>For brush and roller applications, multiple coats may be required to achieve the required DFT.</p>
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.

Disclaimer: The above information is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given information without prior notice.