



Korepox 509

Epoxy Gloss Finish

Protective Coating

Generic Type	Two pack epoxy gloss finish. Base and hardener mixed prior to application.					
General Properties	Korepox 509 is an epoxy gloss finish for application over properly primed surfaces. It is formulated to provide excellent abrasion resistance and exhibits good protection against spillage and splashes of chemicals such as solvents, acids, alkalis and salt solutions.					
Uses and Properties	Korepox 509 is widely used as a finish coat giving a smooth gloss finish and durable resistance against a wide range of chemicals. Korepox 509 is also well recommended to be used as a finish coat for industrial concrete floor subject to internal exposure.					
Technical Information	Finish Gloss Color Standard Color range Component Two Volume Solids 45 ± 3% Dry Film Thickness 50 to 75 um Flash Point 15.5 deg. C (when mixed) Specific Gravity Approx. 1.13, based on White 9102 Temperature Resistance 90 deg. C (continuous) 110 deg. C (intermittent) Packaging 5.0 litres (4.0 litres Part A : 1.0 litres Part B) Shelf life 12 months minimum					
Typical Painting System	Substrate Surface			Finish		
	Steel			Korepox 509		
	Normally coat over an epoxy primer / intermediate.					
Application Method	Airless Spray		Tip Size : 0.28 - 0.38 mm (11 - 15 thou)			
	Recommended method of application		Pressure : 130 - 160 kg / cm ² (1800 - 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	8 hours	36 hours	30 hours	Indefinite	6 hours
	25 deg. C	3 hours	16 hours	16 hours	Indefinite	4 hours
	35 deg. C	2 hours	8 hours	8 hours	Indefinite	3 hours
	*The properties above may vary with surface temperature, site environment, film thickness, etc.					
Thinners & Cleaners	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.				

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.

<p>Surface Preparation</p>	<p>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.</p>
<p>Primer Preparation</p>	<p>Korepox 509 should always be applied over a recommended anti-corrosive coated surface. The primer surface should be clean, dry and free from all contamination. Korepox 509 must be applied with the recommended overcoating interval of the preceding coat.</p>
<p>Application Temperatures</p>	<p>Air and surface temperature should be between 20 to 45 deg. C and surface temperature must be minimum 3 deg. C above dew point.</p>
<p>Mixing</p>	<p>Korepox 509 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.</p>
<p>Repair / Top Coating</p>	<p>Damaged areas should be touch up with a coat of Korepox 509.</p>
<p>Product Limitations</p>	<p>Korepox 509 is recommended for atmospheric service only.</p> <p>In common with all epoxies, Korepox 509 will chalk and discolour on external exposure and weathering. This phenomenon is not detrimental to the anti-corrosive performance.</p> <p>Best result in terms of gloss and colour appearance will always be obtained by conventional air spray applications.</p> <p>Level of gloss appearance in the dry film may vary depending on the application method. Using a mixture of application methods is best avoided whenever possible.</p> <p>Exposure to condensation during or immediately after application may result in the loss of gloss in the dry paint film.</p> <p>Volume solid values stated are for guidance purpose only and may be subject to variation depending on factors such as colour and manufacturing tolerances.</p>
<p>Safety Precaution</p>	<p>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.</p>

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.