



KoreXior 100

Bituminous Heat Resistance

Protective Coating

Generic Type	Two pack bituminous and amorphous carbon pigmented. Base and hardener mixed prior to application.					
General Properties	KoreXior 100 is a black bitumen coating providing anti-corrosive protection for " Hot – Wet " metal surface subject to high temperature exposure.					
Uses and Properties	KoreXior 100 is widely used as an anti-corrosive coating for boiler drums, evaporators, tubes, pipings and other equipments subject to operating temperatures between 93 deg. C and 540 deg. C. It has low permeability properties to moisture and steam and is suitable for surfaces in contact with fresh and salt water.					
Technical Information	Finish Matt Color Black Component Two Volume Solids 56 ± 2% Dry Film Thickness 40 to 60 um Flash Point 50 deg. C (when mixed) Specific Gravity Approx. 1.10 Temperature Resistance 540 deg. C (continuous) Hot - Wet Packaging 5.0 litres (4.0 litres Part A : 1.0 litres Part B) Shelf life 12 months minimum					
Typical Painting System	Substrate Surface			Primer		
	Steel			KoreXior 100		
	Normally coat over blasted steel and powertool cleaned steel.					
Application Method	Airless Spray			Tip Size : 0.28 - 0.38 mm (11 - 15 thou)		
	Recommended method of application			Pressure : 110 - 160 kg / cm ² (1600 - 2300 psi)		
Application Method	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	12 hours	Refer to Product Limitations	32 hours	Indefinite	14 days
	25 deg. C	6 hours		16 hours	Indefinite	14 days
35 deg. C	4 hours	12 hours		Indefinite	14 days	
*The properties above may vary with surface temperature, site environment, film thickness, etc.						
Thinners & Cleaners	Thinner : Thinner 51 (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.

Surface Preparation	<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>Abrasive blast clean to Sa 2.5 (ISO 8501-1:2007) or SSPC - SP6 or power tool clean to St.3. If oxidation has occurred between the blasting time and application of KoreXior 100, the surface should be reblasted to the specified visual standard.</p> <p>A surface profile of 40 to 75 microns is recommended.</p>
Application Temperatures	<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>
Mixing	<p>KoreXior 100 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>
Repair / Topcoating	<p>Damaged areas should be touch up with a coat of KoreXior 100.</p>
Product Limitations	<p>For immersion service, KoreXior 100 must be applied to bare steel surfaces abrasive blast cleaned to Sa 2.5 with a minimum total dry film thickness of 120 microns and a maximum overcoating intervals of 3 days at 35 deg. C.</p> <p>This product will only hard dry when the water temperature is raised to minimum 100 deg. C for 5 hours. Ensure that this requirement is met in order for the product to function as stated.</p> <p>KoreXior 100 is not suitable for overcoating with other finishes as the product has the tendency to bleed.</p>
Safety Precaution	<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>

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