



Koremastic 500GF

Glass Flake Reinforced Epoxy

Protective Coating

Generic Type	Two pack, high solids epoxy. Base and hardener mixed prior to application.					
General Properties	Koremastic 500GF is a low VOC, high solid epoxy primer, intermediate or finish coat reinforced with glass flake to provide outstanding anti-corrosive barrier protection.					
Uses and Properties	Koremastic 500GF is widely used for the long term protection of structural steel in all aggressive and corrosive environments such as splash zones, deck tops and under deck on offshore platforms, pilings, bridges and chemical plants in both new constructions and maintenance. Koremastic 500GF is compatible with sacrificial and impressed current cathodic protection systems.					
Technical Information	Finish Low Gloss Color Yellow, Black Component Two Mixing Ratio 3 Parts A : 1 Part B Volume Solids (ASTM D2697)... 90 ± 3% (varies based on colour) Dry Film Thickness 200 to 500 um Flash Point 27 deg. C (when mixed) Specific Gravity Approx. 1.57 Temperature Resistance 90 deg. C (continuous) 110 deg. C (intermittent) Packaging 5.0 & 20.0 litres / set Shelf life 12 months minimum					
Typical Painting System	Substrate Surface		Primer / Finish			
	Steel / Concrete		Koremastic 500 GF			
Over blasted steel or prepared substrates.						
Application Method	Airless Spray		Tip Size : 0.53 - 0.63 mm (21 - 25 thou)			
	Recommended method of application		Pressure : 140 - 165 kg / cm ² (2000 - 2400 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	6 hours	16 hours	16 hours	7 days	2 hours
	25 deg. C	4 hours	8 hours	8 hours	5 days	90 mins
35 deg. C	2 hours	6 hours	6 hours	3 days	1 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>Abrasive blast clean to Sa 2.5 (ISO 8501-1:2007) or SSPC - SP6. If oxidation has occurred between the blasting time and application of Koremastic 500GF, the surface should be reblasted to the specified visual standard.</p> <p>A surface profile of 50 to 75 microns is recommended.</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>Koremastic 500GF 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 Koremastic 500GF or Koremastic 500AL.</p>
<p>Product Limitations</p>	<p>For immersion service, Koremastic 500GF must be applied to bare steel surfaces abrasive blast cleaned to Sa 2.5 with a minimum total dry film thickness of 450 microns and a maximum overcoating interval of 3 days at 35 deg C.</p> <p>In common with all epoxies, Koremastic 500GF will chalk and discolour on external exposure and weathering. This phenomenon is not detrimental to the anti-corrosive performance.</p> <p>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.</p> <p>For a durable cosmetic finish with good gloss and colour retention, overcoating with a top coat of Korethane 300 Aliphatic Polyurethane finish is recommended.</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.