



# KoVinyl VH137

Vinyl Anti-Corrosive Primer / Sealer

**Protective Coating**

<b>Generic Type</b>	One pack solvent based vinyl resin pigmented with aluminium.					
<b>General Properties</b>	KoVinyl VH137 is fast drying, high build, has low moisture permeability and excellent resistance properties to fresh and salt waters. Aluminium flakes are incorporated to enhance the anti-corrosion resistance.					
<b>Uses and Properties</b>	KoVinyl VH137 is widely used as an anti-corrosive primer for both above and below waterline of marine vessel hulls and also as a sealer coat for Tributyltin (TBT ) antifouling. It is suitable for use with controlled cathodic protection and also as an intermediate coat where long term re-coating recoatability is required.					
<b>Technical Information</b>	Finish ..... Matt Color ..... Aluminium Component ..... One Volume Solids ..... 31 ± 2% Dry Film Thickness ..... 75 to 100 µm Flash Point ..... 15 deg. C Specific Gravity ..... Approx. 1.18 Temperature Resistance ..... 60 deg. C ( continuous ) 90 deg. C ( intermittent ) Packaging ..... 5.0 litres 20.0 litres Shelf life ..... 12 months minimum					
<b>Typical Painting System</b>	<b>Substrate Surface</b>			<b>Primer / Intermediate / Sealer</b>		
	Steel			KoVinyl VH137		
	Normally coat over blasted steel, powertool cleaned steel and primed surface.					
<b>Application Method</b>	Airless Spray			Tip Size : 0.53 - 0.63 mm ( 21 - 35 thou )		
	Recommended method of application			Pressure : 140 - 165 kg / cm <sup>2</sup> ( 2000 - 2400 psi )		
	Conventional Spray			: Can be used		
	Brush or Roller			: Multiple coats may be required to achieve the recommended DFT		
<b>Drying &amp; Curing Time</b>	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		
				Minimum	Maximum	
	15 deg. C	1 hours	3 hours	6 hours	Indefinite	
	25 deg. C	30 mins	2 hours	4 hours	Indefinite	
35 deg. C	15 mins	1 hour	2 hours	Indefinite		
	*The properties above may vary with surface temperature, site environment, film thickness, etc.					
<b>Thinners &amp; Cleaners</b>	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.



<b>Surface Preparation</b>	<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 KoVinyl VH137, the surface should be reblasted to the specified visual standard.</p> <p>A surface profile of 40 to 75 microns is recommended.</p>
<b>Application Temperatures</b>	<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>
<b>Mixing</b>	<p>Stir content thoroughly with a mechanical stirrer until uniformly mixed.</p>
<b>Repair / Topcoating</b>	<p>Damaged areas should be touch up with a coat of KoVinyl VH 137.</p>
<b>Product Limitations</b>	<p>For immersion service, KoVinyl VH137 is strongly recommended to be applied over bare steel surfaces abrasive blast cleaned to Sa 2.5 with a minimum total dry film thickness of 150 microns.</p> <p>Applications of excessive thickness in a single coat may lead to solvent entrapment and loss of adhesion for subsequent coats.</p> <p>This product is not suitable for contact with aromatic solvents, alcohols and other strong solvents.</p>
<b>Safety Precaution</b>	<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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