



# Hi-Heat 6300

Heat Resisting Silicone Acrylic

Protective Coating

<b>Generic Type</b>	Single component silicone acrylic.					
<b>General Properties</b>	Hi-Heat 6300 is a heat resisting finish formulated based on temperature resistant silicone and acrylic binder pigmented with thermally stable pigments for a limited colour range only.					
<b>Uses and Properties</b>	Hi-Heat 6300 is widely used for the protection of steel from corrosion for areas of operating temperatures up to 300 deg. C where a colour is required in petrochemical plants, oil refineries, offshore facilities, chemical plants, power stations and the general industry sectors.					
<b>Technical Information</b>	Finish ..... Gloss Color ..... Limited color range Component ..... One Volume Solids ..... 37 ± 2% Dry Film Thickness ..... 25 to 50 um Flash Point ..... 40 deg. C ( when mixed ) Specific Gravity ..... Approx. 1.20 Temperature Resistance ..... up to 300 deg. C Packaging ..... 5.0 litres Shelf life ..... 12 months minimum					
<b>Typical Painting System</b>	<b>Substrate Surface</b>			<b>Finish</b>		
	Steel			Hi-Heat 6300		
	Normally coat over an inorganic zinc silicate primer.					
<b>Application Method</b>	Conventional Spray : Recommended method of application Brush or Roller : Can be used for small areas Airless Spray : Not Recommended					
<b>Drying &amp; Curing Time</b>	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
				Minimum	Maximum	
	15 deg. C	7 hours	28 hours	28 hours	Indefinite	3 hours
	25 deg. C	5 hours	18 hours	18 hours	Indefinite	2 hours
35 deg. C	2 hours	6 hours	6 hours	Indefinite	1 hours	
*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.

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<p><b>Surface Preparation</b></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>Hi-Heat 6300 should always be applied over a recommended anti-corrosive primed surface. The primer surface should be clean, dry and free from all contamination.</p>
<p><b>Application Temperatures</b></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><b>Mixing</b></p>	<p>Stir content thoroughly with a mechanical stirrer until uniformly mixed.</p>
<p><b>Repair / Topcoating</b></p>	<p>Damaged areas should be touch up with a coat of Hi-Heat 6300.</p>
<p><b>Product Limitations</b></p>	<p>Applications of excessive thickness in a single coat may result in blistering during service.</p> <p>This product may have minor gloss and colour change upon exposure to high temperatures.</p>
<p><b>Safety Precaution</b></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.