



Hi-Heat 6600

Heat Resisting Silicone Aluminium

Protective Coating

Generic Type	Single component silicone aluminium.					
General Properties	Hi-Heat 6600 is a heat resisting aluminium finish formulated based on modified silicone binder and pigmented with aluminium flakes.					
Uses and Properties	Hi-Heat 6600 is widely used for the protection of steel from corrosion on areas such as flare stacks, chimneys, exhausts, vents and pipework in the industrial environment. Where maximum corrosion protection is required, Hi-Heat 6600 should be applied over Galvany 820 and Galvany 760 inorganic zinc silicate primers.					
Technical Information	Finish High Sheen Color Aluminium Component One Volume Solids 23 ± 2% Dry Film Thickness 20 to 25 um Flash Point - 4 deg. C Specific Gravity Approx. 1.04 Temperature Resistance up to 600 deg. C Packaging 5.0 litres Shelf life 12 months minimum					
Typical Painting System	Substrate Surface			Finish		
	Steel			Hi-Heat 6600		
	Normally coat over an inorganic zinc silicate primer.					
Application Method	Conventional Spray : Recommended method of application Brush or Roller : Can be used for small areas Airless Spray : Not Recommended					
Drying & Curing Time	Substrate Temperature	Touch Dry	Hard Dry	Overcoating Interval		Pot Life
	15 deg. C	7 hours	28 hours	Minimum	Maximum	
	25 deg. C	5 hours	18 hours	18 hours	Indefinite	3 hours
	35 deg. C	2 hours	6 hours	6 hours	Indefinite	1 hours
	<small>* Final cure and hardness will be obtained by curing at 200°C minimum. This can be attained after the coated surfaces are put into service.</small>					
	* 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.



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 powertool clean to St.3. If oxidation has occurred between the blasting time and application of Hi-Heat 6600, the surface should be reblasted to the specified visual standard.</p> <p>A surface profile of 25 to 50 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>Stir content thoroughly with a mechanical stirrer until uniformly mixed.</p>
Repair / Topcoating	<p>Damaged areas should be touch up with a coat of Hi-Heat 6600.</p>
Product Limitations	<p>The temperature resistance for Hi-Heat 6600 for hand prepared surface is up to maximum 300 deg. C.</p> <p>This product will only full cure upon exposure to 150 deg. C for minimum 2 hours and must not be exposed to temperatures above 600 deg. C during this period.</p> <p>Applications of more than 40 microns in a single coat may result in blistering during service.</p> <p>Up to 3 coats of maximum 25 microns per coat can be applied without the requirement of heating between coats.</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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