



## TECHNICAL DATA SHEET

### AMBER ALUMINUM H.R. 400°C

<b>PRODUCT DESCRIPTION</b>	A heat resistant silicon based aluminum paint for atmospheric exposure conditions having good weather resistance. It has good flow and leveling and has heat resistance up to 400°C. It should preferably be applied by spray to get the best results. An initial minimum temperature of 200°C is required to initiate the cure of the film.
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<b>RECOMMENDED USES</b>	A heat resisting paint for steel structure, pipes, power stations etc. where heat resistance up to 400°C is required
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### TECHNICAL DATA

<b>COLOUR, DRY FILM</b>	ALUMINUM
<b>FINISH, DRY FILM</b>	Metallic / Lustrous
<b>VOLUME SOLIDS (ASTM D2697)</b>	24 ± 2%
<b>SPECIFIC GRAVITY</b>	0.95 ± 0.05
<b>THEORETICAL SPREADING</b>	8.0 m <sup>2</sup> /Ltr.
<b>Film Thickness</b>	50 – 100 Microns/Coat (Depending on surface)
<b>FLASH POINT</b>	25°C.
<b>Flexibility</b>	Good
<b>Abrasion Resistance</b>	Good
<b>Weather Resistance</b>	Good



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### DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
<b>TOUCH DRY</b>	1 hr
<b>DRY TO RECOAT</b>	4 hrs.
<b>Fully Cured</b>	1. The product cures by a gradual rise in temperature. 2. The following cure schedule is recommended: - 30 minutes gradual rise to 100°C - 1 hour gradual rise to 200°C - 2 hour rise to 400°

### ADVANTAGES

<b>AMBER ALUMINUM H.R. 400°C</b>	Single pack, aluminum paint based on silicon resin, with good flow properties. The fully cured film has good hardness and resistance up to 400°C.
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### APPLICATION INSTRUCTION

<b>SURFACE PREPARATION</b>	Surface is to be blast cleaned to Sa2.5 to obtain maximum heat resistance
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### APPLICATION DATA

<b>APPLICATION METHOD</b>	Airless Spray Conventional Spray Brush
<b>CLEANING/THINNING</b>	Amber G.P. Thinner
<b>THINNER (VOLUME)</b>	Ready to use
<b>CONV. SPRAY REQUIREMENTS</b>	Atomizing pressure: 40 psi
<b>AIRLESS SPRAY REQUIREMENTS</b>	Pressure: 2200 psi.
<b>NOZZLE SIZE</b>	0.016" – 0.018"
<b>MIXING RATIO (BY VOLUME)</b>	Not applicable
<b>POT LIFE @ 30°C (100 ml)</b>	Not applicable

### SYSTEM



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<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	Amber ALUMINUM H.R. 400°C	2 x 30

### ADDITIONAL DATA

<b>SHELF LIFE @ 30°C</b>	6 months, in original sealed container, with proper storage conditions.
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### HEALTH & SAFETY

<b>SAFETY PRECAUTIONS</b>	<ul style="list-style-type: none"> <li>- Ensure good ventilation during application and drying.</li> <li>- Avoid contact with skin and eyes. While painting it is advisable to wear eye protector. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. To remove splashes from skin; use soap and water or a recognized skin cleaner.</li> <li>- Keep out of reach of children.</li> <li>- This as industrial product contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed.</li> </ul>
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### STORAGE & HANDLING

<b>STORAGE</b>	The product must be stored according to Amber Regulations. The product should be kept in a cool and well ventilated place, protected from heat and direct sunlight at temp 5 - 35°C. Containers must be kept tightly closed.
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