



TECHNICAL DATA SHEET

AMBER GUARD ALUMINIUM

PRODUCT DESCRIPTION	A two-pack epoxy finishing coat, pigmented with metallic aluminium. It provides an excellent chemical resistant and very good abrasion resistant coating. It has very good water resistance as well.
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RECOMMENDED USES	Protection of steel and concrete in aggressive marine and industrial environment. Epoxy topcoat for LPG cylinders.
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TECHNICAL DATA

COLOUR, DRY FILM	Silver
FINISH, DRY FILM	Metallic / Glossy
VOLUME SOLIDS (ASTM D2697)	44 ± 2%
SPECIFIC GRAVITY	1.06 ± 0.05 (of mix)
THEORETICAL SPREADING	11 M ² /LTR
RECOMMENDED DFT (DRY FILM)	40 Microns/Coat
RECOMMENDED WFT (WET FILM)	90 Microns/Coat
FLASH POINT	25°C
FLEXIBILITY	Good
WATER RESISTANCE	Very good
CHEMICAL RESISTANCE	Excellent
ABRASION RESISTANCE	Very good



TECHNICAL DATA SHEET

DRYING TIME

Drying time @ 30°C (Temperature, humidity, air movement, film thickness and number of coats all affect the drying time).	
TOUCH DRY	3 hours
DRY TO RECOAT / OVERCOAT	24 hours (minimum), for maximum over coating interval please refer to Technical Service Division.
FULLY CURED	7 days

ADVANTAGES

AMBER GUARD ALUMINIUM	Two pack epoxy coating with metallic aluminium. Film provides excellent chemical resistance, very good water and abrasion resistant coating.
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APPLICATION INSTRUCTION

SURFACE PREPARATION	It can be applied directly over intermediate coat or primed substrate. Galvanized steel, aluminium and other light metal alloys should be etched or wash primed before primer and undercoat application.
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APPLICATION DATA

APPLICATION METHOD	Airless Spray	Conventional Spray
CLEANING/THINNING	Amber Epoxy Thinner (thinner should be added after mixing the component)	
THINNER (VOLUME)	5 – 10%	10 – 15%
CONV. SPRAY REQUIREMENTS	Atomizing Pressure : 50 psi	
AIRLESS SPRAY REQUIREMENTS	2200 psi	
NOZZLE SIZE	0.018” – 0.020”	
MIXING RATIO (BY VOLUME)	Base : Hardener 4 : 1 (Mix thoroughly, keep for 10 – 15 minutes)	
POT LIFE @ 30°C (100 ml)	8 hours (reduced at higher temperature) Note: Material may gel at elevated temperature.	



TECHNICAL DATA SHEET

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	Amber Guard Zinc Phosphate Epoxy Prime	1 x 50
	Amber Guard Undercoat H.B.	1 x 125
	Amber Guard Aluminium	2 x 40

ADDITIONAL DATA

SHELF LIFE @ 30°C	18 months, in original sealed container, with proper storage conditions.
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HEALTH & SAFETY

SAFETY PRECAUTIONS	<p>As a general rule, avoid skin and eye contact by wearing overalls, glove, goggles, and mask etc. Spillage on skin should immediately be removed by thorough washing with water and soap or suitable cleaner. Eye should be flushed with fresh water. Avoid inhalation of vapours and paint mist by wearing suitable mask. In the event of ingestion and eye contact, seek medical attention immediately. Painting must be carried out in well ventilated area. This 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.</p>
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STORAGE & HANDLING

<p>STORAGE</p>	<p>Store the paint in proper storage conditions as per the local regulations. Keep the paint container in sealed condition under shed, away from direct sunlight and extreme temperatures. Do not stock paint material near to any ignition sources. Do not put back the half or unused material back in original container, containing the supplied paint, to avoid contamination. Handle with care. Stir well before use.</p>
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