



**TECHNICAL DATA SHEET**

**AMBER GUARD TOPCOAT**

<b>PRODUCT DESCRIPTION</b>	A two pack, polyamide cured finishing coat in epoxy system with excellent resistance to mild acids, alkalies, oils and chemicals. It has also very good impact and abrasion resistance. It provides very good corrosion resistance and resistance to splash and spillage of mild chemicals and solvents.
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<b>RECOMMENDED USES</b>	Topcoat on steel surfaces in moderately to severely corrosive environment. Topcoat for epoxy floor system and car parking. Also on concrete and wooden surfaces where epoxy paints are specified.
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**TECHNICAL DATA**

<b>COLOUR, DRY FILM</b>	As per shade card
<b>FINISH, DRY FILM</b>	Smooth/Glossy, Semi glossy or Matt
<b>VOLUME SOLIDS (ASTM D2697)</b>	55 ± 2%
<b>SPECIFIC GRAVITY</b>	1.40 ± 0.05 (of mix)
<b>THEORETICAL SPREADING</b>	13.8 – 9.2 M2 /LTR
<b>RECOMMENDED DFT (DRY FILM)</b>	40 – 60 Microns/Coat
<b>RECOMMENDED WFT (WET FILM)</b>	75 – 110 Microns/Coat
<b>FLASH POINT</b>	25°C
<b>FLEXIBILITY</b>	Good
<b>CHEMICAL RESISTANCE</b>	Excellent
<b>SOLVENT RESISTANCE</b>	Very good
<b>WATER RESISTANCE</b>	Good
<b>ABRASION RESISTANCE</b>	Very 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>	3 hours
<b>DRY TO RECOAT</b>	18 hours (minimum) – For maximum overcoating interval please refer to Technical service division
<b>HARD DRY</b>	7 days

**ADVANTAGES**

<b>AMBER GUARD TOPCOAT</b>	Two pack epoxy coating with long pot life, very good resistance to corrosion, splash and spillage of mild chemicals and solvents. It has very good flow and leveling properties, good water resistance, good abrasion and impact resistance.
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**APPLICATION INSTRUCTION**

<b>SURFACE PREPARATION</b>	It can be applied directly over intermediate coat/undercoat, 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**

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



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### SYSTEM

<b>RECOMMENDED SYSTEM</b> To be applied on prepared surface.	No. of Coats x DFT (Microns)	
	Amber Guard Epoxy Red Oxide Primer	1 x 50
	Amber Guard Undercoat H.B.	1 x 125
	Amber Guard Topcoat	1 x 50

### ADDITIONAL DATA

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

<b>SAFETY PRECAUTIONS</b>	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 wellventilated 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.
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### STORAGE & HANDLING

<b>STORAGE</b>	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.
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