

ABC GUARD ZINC PHOSPHATE EPOXY PRIMER

DESCRIPTION	ABC Guard Zinc Phosphate Epoxy Primer is a two pack polyamide Cured epoxy resin based primer for protective coating system for steel. It has excellent anti-corrosive properties for atmospheric and immersed exposure conditions. Fully cured coating is resistant to abrasion, water and splash of mild chemicals.
RECOMMENDEDUSE	Anti-corrosive primer for structural steel,petrochemical plants,tanksand equipments. ItcanbeovercoatedwithABCGUARD1610coatings for exterior applications.

TECHNICALDATA

Colors	Grey.
Finish	Smooth/Matt.
Volume Solid(ASTM D2697)	75 ± 2%
Specific Gravity	1.55 ± 0.05Kg/Lit.(of mix)
Theoretical Spreading Rate	8.6 –13.0m ² / Ltr.
Film Thickness	(Dry Film) 75-115 microns/Coat. (Wet Film) 105-130 microns/Coat.
Flash Point	25°C (when Mixed).
Flexibility	Good
Chemical Resistance	Excellent
Abrasion Resistance	Good
Water Resistance	Good

DRYING TIME

Drying Time @30°C(Temperature, humidity, air movement, film thickness and number of coats all affect The drying time.)	
Touch Dry	5-6hrs.
Dry To Recoat/Overcoat	10hrs.minimum-7days(maximum)
Fully Cured	7days

ADVANTAGES

ABC Guard Zinc Phosphate Epoxy Primer Excellent anti-corrosive properties. The fully cured dry film is resistant to abrasion, splash and various mild chemicals, resistant to water.

SURFACEPREPARATION

Oil and grease should be removed by solvent cleaning. Sand blast to Sa2.5, then clean &dry. Apply Immediately ABC Guard Epoxy Red Oxide Primer after the steel has been blasted.

Repair: Corroded areas should be power tool cleaned to St3 or blast cleaned to Sa2 or better. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to over coating.



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APPLICATION DATA

Application Methods	Airless	Conventional Spray	Brush
Thinning/Cleaning of Tools	ABC Epoxy Thinner		
Thinner(max Volum)	5-10%	10-15%	5-10%
Conv. Spray Requirements	Atomizing pressure: 40psi		
Guiding Data for Airless Spray	Pressure:2200psi.		
Nozzle Size	0.018"-0.020"		
Mixing Ratio(By Volume)	Base : Hardener 4parts : 1(Mix thoroughly, keepfor10-15minutes)		
PotLife@30°C(100ml.)	8hours(reduced a higher temperature) Note: Material may gel at elevated temperature.		

SYSTEM

RECOMMENDED SYSTEM To be applied on prepared surface.	No. of coats x DFT(microns)	
	ABC Guard Zinc Phosphate Epoxy Primer	: 1x30
	ABC Guard Undercoat H.B	: 1x125
	ABC Guard TOPCOAT	: 1x50
	(OR)	
	ABCGUARD 1610	: 1x40

MISCELLANEOUS DATA

STORAGE	The product must be stored according to ABC Regulations. The product should be kept in cool and well ventilated place, protected from heat and direct sunlight at temp 5 - 35°C. Containers must be kept tightly closed.
HANDLING	Handle with care, mix well before use.
SHELF LIFE	24months,in original sealed container, with proper storage conditions.
SAFETY/HEALTH	- Ensure good ventilation during application and drying. - 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. - Keep out of reach of children. - Smoking in the area should not be permitted. Local safety regulations should be followed.
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NOTE: We warranty the quality of our product and this data sheet represents test results and practical experience obtained under controlled conditions. We reserve the right to change data without prior notice .