

ABC Zinc Rich Phosphate Primer

Description	ABC Guard Zinc RICH Phosphate 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.
Recommended use	Anti-corrosive primer for structural steel, Petro chemical plants, tanks and equipment's. It can be over coated with ABC ZINC RICH coatings for Exterior applications.

Technical data

Colors	Grey.
Finish	Smooth/Matt.
Volume Solid (ASTMD2697)	85±2%
Specific Gravity	1.55 ± 0.05 Kg/Lit. (of mix)
Theoretical Spreading Rate	8.6–13.0m ² /Lit.
Film Thickness	(Dry Film) 40-90 microns/Coat. (Wet Film) 75-145microns/Coat.
Flash Point	25°C (when Mixed).
Flexibility	Good
Chemical Resistance	Excellent
Abrasion Resistance	Good
Water Resistance	Good
Heat Resistance	Continuous Temp. 120c and 140c at peak max 1hr.

Drying Time

Drying Time @ 25°C (Temperature, humidity, air movement, film thickness and number of coats all affect The drying time.)	
Touch Dry	2hrs.
Dry Tore coat/Overcoat	10hrs.
Fully Cured	5 days at 25c°

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.

Surface Preparation

Oil and grease should be removed by solvent cleaning. Sandblast to Sa2.5, then clean & dry. Apply Immediately ABC Zinc Rich Phosphate primer after the steel has been blasted.

Repair

Corroded areas should be power tool cleaned to St 3 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.

APPLICATION DATA

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

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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	Package	
	Actual Volume	Container Volume
ABC Zinc Rich Phosphate Primer Part A	16 L	20 L
ABC Zinc Rich Phosphate Primer Part B	4 L	5 L

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.

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