

TECHNICAL DATA SHEET

Fire Retardant Zinc Phosphate Epoxy Primer (Two pack) -ARC- 250 (PR)

PRODUCT DESCRIPTION

Fire retardant Zinc Phosphate Epoxy highly anti-corrosive Primer, Fire Retardant Primer are vital to ensure the safety and fire retardance of different type of surfaces. It's also essential to meet Indian and British safety standard BS 476 part 6 & 7, ASTM E 84, UL94BS EN ISO 11925-2, when it comes to fire regulations for domestic and commercial buildings and different type of durable goods. Fire rated Primer can be the difference between people surviving of fire or not being able to evacuate in time and also for safety of important durable goods, as it gives a time delay between a fire starting and spreading.



USES

It is one step system, consist of solvent based ceramic silicon epoxy fire retardant Primer suitable for pharmacy, hospitals, ships, rail coach food area, silicon epoxy having excellent anti-bacterial and anti-fungal properties, it can be used for str steel, GI Pipe/ Duct, MS metal, Panels, surface, safe cupboards fibre glass etc. It is intumescent & insulation grade fire retardant Primer, in case of normal fire retardant properties required. It requires only two coats of fire retardant Primer, however to increase time duration, multi-layer of coat is important, they can stand for more time in case of fire. This Primer is good anti-corrosive and with additional anti-bacterial and anti-fungal properties.

BASIC PROPERTIES-

In wet stage it can catch flame, once hard dried, it will not allow flame to spread. Spread of flame test can be done after 8-15 days of Primer and it also create an Insulation barrier between fire and surface, so temperature on surface will not raise and flame will also not spread. It creates stability, integrity, Insulation to the surface.

AREA OF APPLICATION-

Suitable for Industrial application as top coat on str. steel, Ducts, panels, cupboards, safe, stair case, pharmacy, food joints, hospitals, ships, fire retardant silicon epoxy Primer having excellent Heat resistant properties, it can be used as top coat on for str. steel, GI, Pipe, Duct, MS metal, Panels, surface, fibre glass etc. for fire retardant thermal insulation properties.

PHYSICAL AND CHEMICAL PROPERTIES OF FR PRIMER-

Color	Pigmented	IS 101 (PART 4-SEC 2):1989 (RA 1999)
Mixing Ratio	Two Pack	
Packing	25 kg/ltr. (20+5)	
SP Gravity	1.19	
Drying Time	4-6 Hrs.	IS: 101(P3/S1):1986 AMND-2:2006(RA 2001)
Over coat Interval	4 to 6 hrs.	IS: 101
Practice Spreading rate	5-6 sq/mt per kg	
Theoretical spreading rate	7-8 sq /mt per kg	IS101 (P8/S6):1993(RA 2009)
Effect on skin	No effect	
Solubility	Solvent	
Solvent resistance	Good	
Anti-graffiti (anti-abrasion)	Excellent	
Anti-corrosive properties	Excellent	
Fire retardance	Excellent	BS 476 PART 6,7, UL94 ASTM E84 ISO11925 IS:101
Chemical resistance	Good	
Salt solvent resistance	Good	
Chemical nature	polymer compound	
Anti-termite properties	Fair	
Application	by brush / Roller	
Particle size	Less than 10 micron	

SYSTEM OFFERED –

- Clean steel surface, by sand blasting or shot blasting or Ameetuff surface preparation chemical.
- The surface must be completely clean, dry & free of oil, grease, polish & wax or other surface contaminants prior to application of Primer.
 - a) Remove wax and polish by scrubbing with Ameetuff thinner
 - b) Old Primer must be removed, if possible, Synthetic Primer Type Primer must be completely removed prior to Primer for better results.

(Surface should be dust, rust, oil free before application)

APPLICATION PROCESS-

Apply two or more coats with Ameetuff Fire Retardant ceramic silicon epoxy Primer over anticorrosive base coat. Second coat must be applied after 6-8 hours of first coat application. It dries within 6-8 hours and reaches optimum hardness after 3 to 4 days. Fire test can be done only after 8-15 days depend upon weather condition

Application by roller /brush /spray, over cleaned surface

SAFETY INSTRUCTIONS --

- Do not apply at temperature below 20 C. and Relative humidity above 90%
- Provide adequate ventilation during use & drying.
- Use suitable protective gloves and protective goggles to protect eyes. Avoid contact with skin and eyes. If contact with eyes immediately flush eyes with copious amount of running water and consult medical advice.
- Keep out of reach of children & foodstuff.



STORAGE LIFE – 9 to12 Months.

FOR MORE DETAILS: -

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