

AMEETUFF®

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ISO 9001:2014

ISO 14001:2015

ARC 250(CM)

TECHNICAL DATA SHEET

Fire Retardant Ceramic Silicon Epoxy Coating (Two pack) -ARC- 250 (CM)

PRODUCT DESCRIPTION

Fire retardant pure acrylic Ceramic Silicon Epoxy highly anti-corrosive paint, Fire Retardant paint 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 including fire hydrants pipe/doors/shutters/cup boards etc. Normal enamel paint is fire carrier whereas Fire rated paint 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 coating suitable for fire hydrant pipes, pharmacy, hospitals, ships, rail coach food area, silicon epoxy having excellent anti-bacterial and anti-fungal properties, it can be used for structural steel, GI Pipe/ Duct, pipeline, CPVC Pipes, MS metal, Panels, surface, safe cupboards fibre glass etc. It is intumescent & insulation grade fire retardant coating, In case of normal fire retardant properties required. It requires only two coats of fire retardant coating, however to increase time duration, multi-layer of coat are important, they can stand for more time in case of fire. This coating 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 coating and it also creates an insulation barrier between fire and surface, so temperature on surface will not rise 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 structural steel, Ducts, panels, cupboards, safe, stair case, pharmacy food joints, hospitals, ships, fire retardant silicon epoxy coating having excellent heat resistant properties, it can be used as top coat on structural steel, GI, Pipe, Duct, MS metal, Panels, surface, fibre glass etc for fire retardant thermal insulation properties.

PHYSICAL AND CHEMICAL PROPERTIES OF FR COATING-

Color	Pigmented	IS 101 (PART4- SEC2):1989 (RA 1999)
Mixing Ratio	Two Pack	
Packing	25 kg/ltr. (20+5)	
SP Gravity	1.10	
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	8-9sq /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 then10 micron	
VOLUME SOLID	56% TO 58%	

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 coating.
 - a) Remove wax and polish by scrubbing with Ameetuff thinner
 - b) Old coating must be removed, if possible, Synthetic Paint type coating must be completely removed prior to coating 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 coating 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 to 12 Months

FOR MORE DETAILS: -

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RAL 3001

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