



FIRE RETARDANT COATING

Product information

- 1- Excellent ability to protect the surface by keeping down temperature up to 500°c from 1000°c for 60 minutes .
- 2- The thickness of coat for steel structure Indicate to hp/a ,that "hp" is circum of section (m) , and "a " is area of section (m²).
When hp/a is lower , the low thickness of coat Is need.
- 3- the thickness of coat for steel structure indicate to critical temperature of steel structure.
- 4- Excellent durability .

Physical data

Colour:	Eggshell (white)
Finish:	Flat
Volume solids:	60 ±5%
D.f.t:	1200 ± 200 μ
Specific gravity:	1.28 ±0.08 gr/cm ³
Theoretical coverage:	0.5 m ² /lit (at 1200 mm d.f.t)
Drying time at 25°c:	
touch dry:	2 hrs (at 200 μ D.F.T)
dry to handle:	6-8 hrs (at 200 μ D.F.T)
full cure:	7 days (at 200 μ D.F.T)
Component:	2
Pot life at 25°c:	6-8 hrs
Application methods:	Airless spray - conventional spray-Brush
Recoat intervals*:	4-6 hrs at 25°c (at 200 μ D.F.T)
Recommended thinner:	FARCO THINN 19
Recommended cleaner:	FARCO CLEAN 19
Substrate:	Blasted steel

*: For recoating the surface should be free of dust ,grease and contamination .

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Typical uses

As a intumescent coat for interior and exterior on steel structures or wood surfaces.

Application information

This Rangan Far's product is a fire retardant coat. To obtain the maximum performance for which this product is formulated, strict adherence to all application, instructions, precautions, conditions and limitations is necessary.

Application equipment

The following equipment is listed as a guide and suitable equipment from other manufactures may be used.

Adjustments of pressure and change of tip size may be needed to obtain the proper spray characteristics.

- 1-Airless spray: standard airless spray equipment having
A 28:1 or higher pump ratio and a fluid tip with a 0.015 to 0.017 inch orifice.
- 2-Conventional spray: industrial equipment with pressure feed tank with suitable aircap having a fluid tip with a 1.6 – 1.8 mm orifice .

Caution

- 1-Handle with care.
- 2-Avoid inhalation of possible solvent vapours or Paint mist, as well as paint contact with skin and eyes.
- 3-Apply only in well ventilated areas and ensure that adequate forced ventilation exists when paint applies is in confined spaces or when the air is stagnant.
- 4-Always take precautions against the risks of fire and explosions.
- 5-Harmful or fatal if swallowed, immediately seek medical assistance.
- 6-Use fresh air masks and explosion proof equipment.

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Application procedure

- 1-Flush equipment with recommended cleaner before use.
- 2-Stir all material thoroughly before applying.
- 3-Add cure to resin and continue stirring for 5 minutes.
Note: since the pot life is limited and shortened by high temperatures, do not mix more material than will be used in 6-8 hours at 25 °C.
- 4- Thinning with FARCO THINN 19 for necessary
- 3- For spray, thin only as needed for workability.
- 4 -In confined areas ventilate with clean air during application and drying until all solvents are removed.
temperature and humidity of ventilating air must be such that moisture condensation will not form on surface.
- 5-Clean all equipment with recommended cleaner immediately after use.

Environmental condition

Environmental temperature must be 10-40 °C.
Surface temperatures must be at least 3 °C above dew point to prevent condensation. At freezing temperatures surface must be free of ice and relative humidity below 80 %.

Surface preparation

The surface must be clean and dry. All dirt, grease and other foreign materials should be removed. Old primed surface must be smoothly wire brushed.
Blasting to standard of Sa 2.5 – Sa3, sis 05 5900, iso 8501-1.
The surface profile must be min 80-100 micron

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