RANACHEM

رانا کیمیا فام (سهامی خاص)

FIRE RETARDANT COATING

RANA 233 T

Product information

1- Excellent ability to protect the surface by bringing down temperature to 500 °c from 1000 °c for 120 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 (m^2).
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
Finish:	Flat
Flash point:	42 °c
Volume solids:	60 ±2%
D.f.t:	1-3 mm
Specific gravity:	1.28 ±0.05 gr/cm^3
Theoretical coverage:	0.6 m^2 /lit (at 1 mm d.f.t)
Drying time at 25°c:	
touch dry:	4 hrs
dry to hndle:	12 hrs
full cure:	3 weeks
Component:	1
Application methods:	Airless spray
Recoat intervals:	6-18 hrs at 25°c
Recommended thinner:	RANA THINN 20

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Recommended cleaner:	RANA CLEAN 23
Shelf life:	10 months when stored indoors in unopened original containers at 7 to 35°c in humidity max 75% or 2 dew point (cool and dry place).
Substrate:	Blasted steel or primed steel

Typical uses

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

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 0.457 to 0.660 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

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and explosions.

5-Harmful or fatal if swallowed, immediately seek medical assistance.

6-Use fresh air masks and explosion proof equipment.

Application procedure

1-Flush equipment with recommended cleaner before use.

2-Stir all material thoroughly before applying.

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.

For primer sand blasting to standard of Sa 2.5 – Sa3 , sis 05 5900 , iso 8501-1.