

## ALUMINUM SILICON ACRYLIC COATING

### RANA 340 T

#### Product information

- 1-Heat resistant silicon acrylic coating.
- 2-Resist temperatures up to 400°C.
- 3-Can be applied on steel and primers(inorganic zinc silicate primer).

#### Physical data

Colour:	Aluminum		
Finish:	Gloss –semi gloss		
Flash point:	25°C		
Volume solids:	33 ± 2%		
D.f.t:	25-30 microns		
Specific gravity:	1.03 ± 0.05gr/cm <sup>3</sup>		
Theoretical coverage:	13.2 m <sup>2</sup> /lit (at 25 µ d.f.t)		
Drying time at 25°C:			
Touch dry :	2 hrs		
Handle dry:	6 hrs		
Hard dry	After thermal curing		
Component:	1		
Application methods:	Conventional spray or brush		
Recoat intervals*:	10°C	25°C	40°C
(mild condition) : Min:	5 hrs	2 hrs	1 hrs
Max:	10 hrs	4 hrs	2 hrs
Recommended thinner:	RANA THINN 30		
Recommended cleaner:	RANA CLEAN 30		
Shelf life:	6 months when stored indoors in unopened Original containers at 5 to 40°C (cool and dry Place).		
Curing mechanism:	By solvent release and heat cure		
Heat resistance:	up to 400°C		
Substrate:	Steel – primed steel		

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

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### Typical uses

As a top coat long-time corrosion protection of steel exposed to high temperatures up to 400°C

### 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-Conventional spray: industrial equipment with suitable aircap having a fluid tip with a 1.6 -1.8 mm orifice .

2 -Mixer: mixer must be powered by an air motor or an explosion proof electric motor.

3-Brush or roller.

### 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- Thinning with RANA THINN 30 as needed for workability.
- 4-Spray on an even wet coat ,making parallel passes and overlapping each pass 50%.  
Give special attention to angles ,corners,rough spots, edges, to avoid pinholes,bare areas and holidays.
- 5-To repair or touch up bare areas,pinholes or holidays, simply apply additional materials.
- 6-In confined areas ventilate with clean air during application and drying untill all solvents are removed.  
Temperature and humidity of ventilating air must be such that moisture condensation will not form on surface.
- 7-Clean all equipment with recommended cleaner immediately after use.

### Environmental condition

Environmental temperature must be 10-40°C.  
Surface temperature must be at least 3°C above dew point to prevent condensation. At freezing temperature 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.