

## EPOXY PHENOLIC TOP COAT RANA 873 T

### Product information

- 1-Excellent resistance to water, saline water and solvents.
- 2-Excellent resistance to alkali, acid and oils.
- 3-Designed for application directly over steel.
- 4-Excellent protective coating in corrosive environments.

### Physical data

Colour:	customer request		
Finish:	Semi flat-SEMI GLASS		
Flash point:			
resin:	34 °C		
cure:	36 °C		
solvent:	28 °C		
Volume solids:	54 ±2%		
D.F.T:	100-150 microns		
Specific gravity(mixed):	1.3 ± 0.05gr/cm <sup>3</sup>		
Theoretical coverage:	5.4m <sup>2</sup> /lit (at 100 μ D.F.T)		
Drying time at 25 °C:			
touch dry:	3 hrs		
dry to handle:	6hrs		
full cure:	7 days		
Component:	2		
Pot life:	4 hrs at 25 °C:		
Mixing ratio(by volume):			
resin:	refer to can label		
cure:	refer to can label		
Application methods:	conventional spray or brush or airless spray or roller		
Recoat intervals*:	10 °C	25 °C	40 °C
(mild condition) : Min:	20 hrs	9 hrs	4 hrs
**Max:	NONE	NONE	NONE
**Maximum Recoat: Unlimited. Must have a clean, dry surface for top coating."Loose" chalk or salts must be removed in accordance with good painting practice. Drying time is temperature, humidity, and film thickness dependent			
Recommended thinner:	RANA THINN 87		
Recommended cleaner:	RANA CLEAN 87		
Shelf life:	12 months when stored indoors in unopened Original containers at 5 to 40 °C (cool and dry place).		
Curing mechanism:	by solvent release and reaction by curing agent and resin		
Substrate:	primed steel		
* : For recoating the surface should be free of dust ,grease and contamination.			

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### Typical uses

As a coating for interior and exterior of pipeline and storage tanks of oils ,acid, alkali, solvents and chemical materials .

### Application information

This RANA CHEM's product is a epoxy phenolic coating which has excellent resistance to chemical material, alkali , acid , oil and water .

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 fine finish tip with a 0.4 mm to a 0.55 mm or larger.

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

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

### 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

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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 if swallowed.

6-Use fresh air masks and explosion proof equipment.

### Application procedure

1-Flush equipment with cleaner before use.

2-Stir resin to an even consistency with a power mixer.

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 4 hours at 25 °C.

4- Thinning with FARCO THINN 16 as needed for workability .

5-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes after 20 minutes.

6-Clean all equipment with 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

Sand blasting to standard of Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.

The surface must be clean and dry .all dirt, grease and other foreign materials ` should be removed .