



# EPOXY PHENOLIC TOP COAT

## 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:	Flat – Semi flat		
Flash point:			
resin:	34 °c		
cure:	36 °c		
solvent:	28 °c		
Volume solids:	54 ±5%		
D.F.T:	100-150 microns		
Specific gravity(mixed):	1.3 ± 0.08gr/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:	12days		
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:	74 hrs	24 hrs	10 hrs
Recommended thinner:	FARCO THINN 16		
Recommended cleaner:	FARCO CLEAN 16		
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 Rangan Far'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 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.

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## 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

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