

# EPOXY INTERMEDIATE COAT

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## Product information

- 1-Excellent chemical resistance against weak acids and alkalies.
- 2-Corrosion resistance in moderately to severely environment.
- 3-Excellent oil resistance
- 4-Can be applied over suitably prepared concrete .

## Physical data

Colour:	customer request		
Finish:	Flat – semi flat		
Flash point:			
Resin:	34 °C		
Cure:	36 °C		
Solvent:	28 °C		
Volume solids:	57±2%		
D.F.T:	50-60 microns		
Specific gravity(mixed):	1.35± 0.05gr/cm <sup>3</sup>		
Theoretical coverage:	11.4 m <sup>2</sup> /lit (at 50 μ D.F.T)		
Drying time at 25 °C:			
Touch dry:	3 hrs		
Dry to handle:	6-8 hrs		
Full cure:	7 days		
Component:	2		
Pot life:	6-8 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:	25 hrs	12 hrs	5 hrs
Max:	70 hrs	36 hrs	18 hrs
Recommended thinner:	FARCO THINN 10		
Recommended cleaner:	FARCO CLEAN 10		
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, concreted		

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



## Typical uses

1-As a maintenance and repair intermediate coat in moderate to severely corrosive environment.

2-As a high performance coating for marine and industrial facilities,ballast and potable water tanks,bilges, and draining pipes,above and bellow water hulls.

## Application information

This Rangan Far's product is a polyamide epoxy intermediate Coat in industrial and marine use.

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 0.381 to 0.457 mm orifice.

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

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

4-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.

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

7-Use fresh air masks and explosion proof equipment.

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## Application procedures

- 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 8 hours at 25 °C.
- 4- Thinning with FARCO THINN 10 for necessary
  - 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

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.

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