



# RED IRON OXIDE EPOXY PRIMER

## Product information

- 1-Poly amide epoxy primer.
- 2-Excellent rust inhibitive shop primer in corrosive environments.
- 3-High chemical and water resistance.

## Physical data

Colour:	red - brown		
Finish:	Flat		
Flash point:			
resin:	34 °c		
cure:	36 °c		
solvent:	28 °c		
Volume solids:	62±5%		
D.F.T:	60 -70 microns		
Specific gravity(mixed):	1.7± 0.08gr/cm <sup>3</sup>		
Theoretical coverage:	10.3 m <sup>2</sup> /lit (at 60 µ D.F.T)		
Drying time at 25°c:			
touch dry:	2 hrs		
dry to handle:	6-8hrs		
full cure:	7days		
Component:	2		
Pot life:	8 hrs at 25 °c:		
Mixing ratio(by volume):			
resin:	refer to can label		
cure:	refer to can liable		
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		
Curing mechanism:	by solvent release and reaction by curing agent and resin		
Substrate:	steel		

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

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**FARCO PRIME 107**

### **Typical uses**

As a blast primer for epoxy systems according to specification.

Structural steel, machinery, pipes and tank exteriors  
decks, hulls, bottoms and super structures  
of ships, barges and work boats, offshore platforms  
and related structures.

### **Application information**

This Rangan Far's product is a red iron oxide epoxy primer for 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 0.017 to 0.019 inch orifice.
- 2-Conventional spray: Industrial equipment with suitable air cap having a fluid tip with a 1.8-2 mm 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 vapors 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

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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.

## Application procedures

1-Flush equipment with cleaner before use.

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

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 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

Blasting to a standard

Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.

The surface profile must be min 50 -75 micron.

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