FARCO PRIME 102-N

ZINC RICH EPOXY PRIMER

Product information

1-Good anticorrosive properties.

2-Good adhesion on cold rolled steel.

3-Easily applied by airless or conventional spray.

4-Can be used with a wide range of topcoats.

5-Tough and adherent primer providing excellent resistance to corrosion.

6-Outstanding resistance to water, weather.

7-Superior performance on marine, hulls, decks and superstructure.

8-Combine epoxy's toughness with zinc's superior protection.

Physical data

Colour:	grey		
Finish:	flat		
Flash point:			
resin:	34°c		
cure:	36°c		
solvent:	28 °c		
Volume solids:	65 ±5%		
D.F.T:	50-70 microns		
Specific gravity (mixed):	2.78 ± 0.1 gr/cm^3		
Theoretical coverage:	13 m^2 /lit (at 50 µ D.F.T)		
Drying time at 25°c:			
touch dry:	3 hrs		
dry to handle :	6 hrs		
full cure:	7 days		
Component:	3 (a, b, c)		
Pot life:	8 hrs at 25 °c		
Mixing ratio(by volume):			
resin(a):	refer to can label		
cure(b):	refer to can label		
zinc dust(c):	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		
Curing mechanism:	by solvent release and reaction by curing agent and resin		

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Substrate: steel

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

Typical uses

Rangan Far zinc rich epoxy primer is polyamide cured that used on abrasive blast, cleaned steel.

Other uses are:

Decks, hulls ,barges and workboats, machinery ,pipes and tank exteriors ,oil refineries, power plants, chemical process and waste treatment plants.

Application information

This Rangan Far's product is three component polyamide cured zinc rich epoxy primer.

To obtain the maximum performance for which Rangan Far's is formulated,strict 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:

1-Airless spray: standard airless spray equipment having a 28:1 or higher pump ratio and a fluid tip with a 0.482 to 0.660 mm orifice.

2-Conventional spray: industrial equipment with pressure feed tank with suitable aircap having a fluid tip with a 2 – 2.2 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 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.
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.
3-Add zinc dust to resin little by little and continue stirring for 5 minutes .
4-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 .
5- Thinning WITH FARCO THINN 10 for necessary
6-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes after 20 minutes.
7-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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