

## EPOXY POLYAMINE INTERMEDIATE COAT

### RANA 843 I

#### Product information

- 1-Excellent resistance against solvents
- 2-Corrosion resistance in moderately to severely environment.
- 3-Excellent oil resistance
- 4-Can be applied over primed steel and 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:	92±2%		
D.f.t:	40-60 microns		
Specific gravity(mixed)::	1.51± 0.05gr/cm <sup>3</sup>		
Theoretical coverage:	15.5m <sup>2</sup> /lit (at 40 µ d.f.t)		
Drying time at 25 °C:			
Touch dry:	6 hrs		
Dry to handle:	24hrs		
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 Airless spray or roller		
Recoat intervals*:	10 °C	25 °C	40 °C
(mild condition) :	Min:	20 hrs	9 hrs
	**Max:	NONE	NONE
**Maximum Recoat: Unlimited. Must have a clean, dry surface for top coating."			
accordance with good painting practice. Drying time is temperature, humidity, a			
Recommended thinner:	RANA THINN 84		
Recommended cleaner:	RANA CLEAN 84		
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

- 1-As a maintenance and repair intermediate coat in severely and 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 RANA CHEM's product is a polyamine 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- Roller.

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#### 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.

#### 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 4 hours at 25 °C.
- 4- Thinning with RANA THINN 84 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. or at least at the end Of each working day or shift .

#### 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

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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.