

## EPOXY INTERMEDIATE COAT

### RANA 823 I

#### 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):	1.70± 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:	NONE      NONE      NONE

\*\*Maximum Recoat: Unlimited. Must have a clean, dry surface for top coating."Loose" chalk or salts must be removed in accordance with good painting practice. Drying time is temperature, humidity, and film thickness dependent

Recommended thinner:	RANA THINN 80
Recommended cleaner:	RANA CLEAN 80
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 .

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#### 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 RANA CHEM'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.

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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 8 hours at 25 °C.
- 4- Thinning with RANA THINN 80 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 %.

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#### 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.