

## RANA MARINE EP 8000 MP

### Product information

- 1- High solids primer/coating with excellent anticorrosive properties
- 2-Excellent oil resistance
- 3-Salt and fresh water resistant.
- 4-Excellent chemical resistance against weak acids and alkalis.
- 5-Corrosion resistance in moderately to severely environment.

### Physical data

Colour:	Aluminum, Buff, Grey, Red brown
Finish:	Semi-gloss
Flash point:	
Resin:	34°C
Cure:	36°C
Solvent:	28°C

Volume solids:	78±2%
D.F.T:	100-300 microns
Specific gravity (mixed):	1.40± 0.05gr/cm <sup>3</sup>
Theoretical coverage:	5.2m <sup>2</sup> /lit (at 150 μ D.F.T)
Drying time at 25°C:	
Touch dry:	3 hrs
Dry to handle:	6-8 hrs
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 label

Application methods: conventional spray or brush or  
Airless spray

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

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Substrate: primed steel

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

## Typical uses

1-As a maintenance and repair primer, intermediate or finishing coat in moderate to severely corrosive environment. as a finishing coat where a cosmetic appearance is of less importance.

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 high build polyamide epoxy 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 38:1 or higher pump ratio and a fluid tip with a 0.17 to 0.21 mm orifice.

2-Conventional spray: industrial equipment with suitable air cap having a fluid tip with a 1.8- 2.2mm orifice .

3- Mixer

4-Brush

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## 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 applying paint 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 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 %.

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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.