

## M.I.O SOLVENT FREE EPOXY PRIMER

### RANA 919 P

#### Product information

- 1- Excellent corrosion resistance.
- 2- Excellent resistance to abrasion
- 3- Excellent resistance to chemical material and water.
- 4- Excellent resistance to oil .

#### Physical data

Colour:	dark grey
Finish:	flat
Flash point:	
Resin:	24 °C
Cure:	24 °C
Volume solids:	90±2%
D.f.t:	100-150 microns
Specific gravity(mixed):	1.50 ±0.05 gr/cm <sup>3</sup>
Theoretical coverage:	9 m <sup>2</sup> /lit ( at 100µ d.f.t )
Drying time at 25 °C:	
Touch dry:	8 hrs
Full cure:	7 days
Component:	2
Pot life at 25 °C:	1hrs
Mixing ratio (by volume):	
Resin:	refer to label of can
Cure:	refer to label of can
Application methods:	Airless spray, hot airless
Recoat intervals* :	10 °C            25 °C            40 °C
(mild condition) : Min:	16 hrs            8 hrs            4 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 cleaner:	RANA CLEAN 80
Shelf life:	6 months when stored indoors in unopened Original containers at 5 to 40 °C (cool and dry Place).
Curing mechanism:	reaction between components
Substrate:	steel
* : For recoating the surface should be free of dust ,grease and contamination.	

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#### Typical uses

As a primer coat on steel subjected to where chemical, solvents, and water resistance is required.

#### Application information

This RANA CHEM's product is a two component poly amine cured M.I.O solvent free epoxy primer.

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 0.457 to 0.660 mm orifice.
- 2- Hot airless
- 3 -Mixer: mixer must be powered by an air motor or an explosion proof electric motor.

#### 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 applying paint in confined spaces or when the air is stagnant.

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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 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 60 minutes at 25°C.

4-Stir during application to maintain uniformity of material and apply a wet coat in even parallel passes.

5-Clean all equipment with cleaner immediately after use .

### Environmental condition

Environmental temperature must be 10-40°C.

Surface temperatures must be at least 3°C above dew point to prevent condensation. At freezing temperatures surface must be free of ice and relative humidity below 80 %.

### Surface preparation

The surface must be clean, dry and free of grease, millscale, rust and dirt. Sand blasting to a standard of Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.