

SOLVENT FREE EPOXY COATING

RANA 932T

Product information

- 1- A solvent free, polyamine cured epoxy coating general purpose and especially designed for the protection of potable water tanks made of steel or concrete.
- 2- Excellent resistance to abrasion
- 3- Excellent resistance to chemical material
- 4- Excellent resistance to oil
- 5- Excellent mechanical strength

Physical data

Colour:	WHITE
Finish:	flat to semi gloss
Flash point:	
Resin:	24°C
Cure:	24°C
Volume solids:	100% ±2%
D.f.t:	250 - 1250 microns
Specific gravity(mixed):	1.45 ±0.05 gr/cm ³
Theoretical coverage:	3.3 m ² /lit (at 300µ d.f.t)
Drying time at 25°C:	
Touch dry:	4 hrs at 25°C
Full cure:	7 days at 25°C
Component:	2
Pot life at 25°C:	60 minutes
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:	48 hrs 16 hrs 8 hrs
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:	concrete, cement ,primed steel

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

Typical uses

As a top coat on concrete or steel industrial subjected to where chemical, solvents, mechanical strength is required.

Application information

This RANA CHEM's product is a two component poly amine cured solvent free epoxy top coat.

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.

4-Always take precautions against the risks of fire

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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 and cross coat.

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, mill scale, rust and dirt.