

GLASSFLAKE EPOXY COATING

RANA 933 TG

Product information

- 1-High build glassflake epoxy coating.
- 2-Excellent oil resistance .
- 3-Excellent Salt and fresh water resistant.
- 4-Excellent chemical resistance against weak acids and alkalies.
- 5-Corrosion resistance in moderately to severely environment.
- 6- Solvent free epoxy coat.

Physical data

Colour:	customer request
Finish:	Flat
Flash point:	
Resin:	30 °C
Cure:	30 °C
Solvent:	24 °C
Volume solids:	93±2 %
D.F.T:	400-600 microns
Specific gravity(mixed):	1.55 ± 0.05gr/cm ³
Theoretical coverage:	2.3 m ² /lit (at 400 µ D.F.T)
Drying time at 25 °C:	
Touch dry:	12hrs
Dry to handle:	24 hrs
Full cure:	7days
Component:	2
Pot life:	40 minute at 25 °C:
Mixing ratio(by volume):	
Resin:	refer to can label
Cure:	refer to can label
Application methods:	Airless spray or hot Airless spray
Recoat intervals* :	10 °C 25 °C 40 °C
(mild condition) : Min:	16 hrs 9 hrs 5 hrs
Max:	48 hrs 24 hrs 12 hrs
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).

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Curing mechanism: by solvent release and reaction by
Curing agent and resin

Substrate: steel , concrete

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

Typical uses

As a high performance coating on steel and concrete
Structure in severe environments, including interior of
potable water tanks and oil tanks floors,
and other areas subject to marine weathering
and high humidity exposure .

Application information

This RANA CHEM's product is a solvent free glassflake 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 28:1 or higher pump ratio and a fluid tip with a 0.4 to 0.9 mm
orifice.

2-Hot airless spray .

3 -Mixer: mixer must be powered by an air motor or an explosion
proof electric motor.

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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 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 40 minute 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 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. Sand blasting to standard Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.