

SOLVENT FREE EPOXY COATING FOR PIPELINE(BURIED)

Product information

- 1- The quality is equivalent to CARBOGAURD 703 based on ISO 21809-3-2016
- 2- Ultra high build epoxy
- 3- Excellent adhesion to steel and concrete and FBE coating.
- 3- Excellent resistance to abrasion and impact
- 4- Excellent resistance to chemical material and corrosion
- 5- Excellent resistance to oil and water(saline and non saline).
- 6- Used in conjunction with cathodic protection (in the range of standard)
- 7- It used as protection of buried pipelines

Physical data

Colour:	customer request(grey)
Finish:	Semigloss-gloss
Flash point:	
Resin:	24 [°] C
Cure:	24 [°] C
Volume solids:	98 ±2%
D.f.t:	800 - 1200 microns
Specific gravity(mixed):	1.5 ±0.08 gr/cm ³
Theoretical coverage:	1.22 m ² /lit (at 800μ d.f.t)
Drying time at 25 [°] C:	
Touch dry:	6 hrs
Dry to handle:	24 hrs
Full cure:	7days
Component:	2
Pot life at 25 [°] C:	30 minutes
Mixing ratio (by volume):	
Resin:	refer to label of can
Cure:	refer to label of can
Application methods:	Airless spray
Recommended cleaner:	FARCO CLEAN 13
Shelf life at 25 [°] C:	12 months when stored indoors in unopened Original containers at 25 [°] C (cool and dry Place).
Curing mechanism:	reaction between components
Substrate:	steel , welding area ,concrete,FBE COATING

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Typical uses

As a self priming and top coat on concrete or steel industrial structure subjected to where chemical, solvents, water, mechanical strength is required. It is also used for protection of buried pipelines in power plant and petrochemical and refinery and gas pipelines. Widely used as a splash zone, tank lining in petroleum services and suitable for a variety of heavy industrial applications.

Application information

This Rangan Far's product is a two component ultra high build poly amine cured solvent free epoxy 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 manufacturers 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 70:1 or higher pump ratio and a fluid tip with a 0.037" to 0.045" orifice.
- 2-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 30 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(environmental temperature).

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. blasting to standard Sa 2.5 – Sa3 ,

SIS 05 5900 , ISO 8501-1 and the surface profile is 80-100 microns.

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