RANACHEM
رانا کیمیا فام (سهامی خاص)

COAL TAR EPOXY POLYAMINE COATING

RANA 844 T

Product information

1-Ballast tank coating with outstanding water resistance.
2-Good abrasion resistance.
3-For tank coating,immersion or non-immersion service.
4-Excellent adhesion to steel and concrete.

Physical data

Colour:	green, black , brown
Finish:	Flat
Flash point:	
Resin:	38 °c
Cure:	24 °c
Solvent:	28 °c
Volume solids:	92±2%
D.f.t:	75-100 microns
Specific gravity(mixed)::	1.56 ± 0.05gr/cm^3
Theoretical coverage:	7.86 m^2 /lit (at 75 µ d.f.t)
Drying time at 25 °c:	
Touch dry:	6hrs
Dry to handle:	24 hrs
Full cure:	7 days
Component:	2
Pot life:	4 hrs at 25 °c:
Mixing ratio(by volume):	
Resin:	refer to can label
Cure:	refer to can label
Application methods:	conventional spray or Airless spray or roller

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 fi lm thickness dependent

Recommended thinner:	RANA THINN 84
Recommended cleaner:	RANA CLEAN 84
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
Substrate:	primed steel, concrete, steel

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

RANACHEM
رانا کیمیا فام (سهامی خاص)

COAL TAR EPOXY POLYAMINE COATING

RANA 844 T

Typical uses

This RANA CHEM's product is recommended for long time corrosion protection of structural steel and concrete in severe corrosive and immersed environments.
typical areas are steel buried in aggressive soil,pipelines of steel and concrete,tanks containing fuel or lubrication oil,drill water,drill mud,warm water or steel and concrete in sewage treatment plants.

Application information

This product is a polyamine cured coaltar epoxy coating for non-immersion as well as immersion service excellent corrosion resistance
and full film thickness in only one 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 0.914 mm orifice.
2-Conventional spray:industrial equipment with suitable aircap having a fluid tip with 1.8-2 mm orifice.
3-Mixer: use power mixer powered by an air motor or an

COAL TAR EPOXY POLYAMINE COATING

RANA 844 T

explosion proof electric motor.

.

Caution

1-Handle with care.
2-Before and during use ,observe all safety labels on packaging and paint containers.
3-Harmful or fatal if swallowed,immediately seek medical assistance.
4-Always take precautions against the fire and explosions.
5-Use with adequate ventilation.
6-Don't empty into drains.
7-Take precautionary measures against static discharge.

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 4hours at 25 $^{\circ}c$.
4- Thinning with RANA THINN 84 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 or at least at the end 0f each working day or shift.

Environmental condition

Environmental temperature must be 10-40^{0c}.
Surface temperature must be at least 3$^{\circ}c$ above dew point to prevent condensation. At freezing temperature surface

COAL TAR EPOXY POLYAMINE COATING

RANA 844 T

must be free of ice and relative humidity below 80 %.

Surface preparation

The surface must be clean and dry . All dirt , grease ,
millscale and any other foreign material should be
removed.sand blasting to standardof Sa 2.5 – Sa3 , SIS 05 5900 , ISO 8501-1.