RANACHEM
رانا کیمیا فام (سهامی خاص)

EPOXY SEALER COAT

RANA 111 PS

Product information

1- Excellent mechanical strength

2- Improve adhesion of intermediate coat

3- Excellent resistance to alkali and weak acidic materials

4- Excellent resistance to chemicals

5- Excellent resistance to oil and water

Physical data

Colour:	Transparent
Finish:	Semi gloss
Flash point:	
Resin:	24 °c
Cure:	24 °c
Volume solids:	16±5%
D.f.t:	40-70 microns
Specific gravity (mixed):	0.91 ±0.02 gr/cm^3
Theoretical coverage:	4 m^2 /lit (at 40µ d.f.t)
Drying time at 25 °c:	
Touch dry:	4-6 hrs
Full cure:	7 days
Component:	2
Pot life at 25 °c:	200-250 minutes
Mixing ratio (by volume):	
Resin:	refer to label of can
Cure:	refer to label of can
Application methods:	roller, squeegee, trowel spatula
Recoat intervals*:	Min 4hrs and Max 8 hrs at 25 °c
Recommended cleaner:	RANA THINN 80
Shelf life:	12 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, steel floor

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

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Typical uses

As a floor coat on concrete or steel industrial
floors subjected to where chemical, solvent resistance
and mechanical strength is required.

Application information

This RANA CHEM's product is a two component polyamine
cured solvent free epoxy floor 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.
1-Squeegee.
2-Trowel spatula .
3 -Mixer:mixer must be powered by an air motor or an explosion
proof electric motor.
4- Roller.

Caution

1-Handle with care.
2-Avoid inhalation of possible solvent vapors 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.
5-Harmful or fatal if swallowed, immediately seek medical
assistance.
6-Use fresh air masks and explosion proof equipment

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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 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.