DESCRIPTION

This is a two component polyamine cured phenolic/novolac epoxy coating. It has a high resistance to most sour crude oils and a wide range of chemicals and solvents. It has outstanding chemical resistance to crude oil at temperatures up to 160 °C. Can be used as primer, mid coat or finish coat in atmospheric and immersed environments. Suitable for properly prepared carbon steel, galvanised steel, stainless steel and concrete substrates.

PRINCIPAL CHARACTERISTICS

- Excellent resistant to continuous service for crude and fuel oils, solvent, caustic.
- Economical water tank lining, requires only 2 coats.
- Suitable for the storage of portable water and food products.
- Tank lining for ship tanks, storage tanks, road tankers in petrochemical industries. It may be cleaned with hot water cleaning up to 80^0C.

RECOMMENDED USE

Specially designed as an internal lining for offshore, onshore and buried tanks and pipes such as chemical storage, waste water, grey water, process water, concrete bund, fire service lines and drilling mud tanks. This coating has very good resistance to high temperature products. Refer to Protective Product Resistance List.

SPECIFICATION DATA AT 20^0C

Gloss	Semi gloss.
Colour	White, grey, cream.
Specific grafity	1.5 ± 0.5 kg/litre.
Solid by volume	75 ± 2 %.
Recommended	Dry film thickness : 100 - 150 microns. Wet film thickness : 140 - 215 microns.
Coverage theoretical	7 m^2 / litre – 100 microns.: 4,7m^2 / litre – 150 microns
Dry time	

Temperature	Touch dry	Hard dry
26^0C	4 hours	6 hours
32^0C	3 hours	5 hours
36^0C	2 hours	4 hours
40^0C	1 hours	3 hours

Full cure	7 days.
Painting interval	Min : 4 hours ; max : 12 months.
VOC	Max. 255 g/litre.
Pot life	2 hours (after mixing the components).
Shelf life	12 months (cool and dry place)

SURFACE PREPARATION

- Steel: blast cleaned in situ to at least SSPC-SP 10 and free from rust, scale, shop primer and any other contamination.

- Concrete must be structurally sound and fully cured for minimum of 28 days.
Remove curing and release compounds and other surface hardeners and floor coatings

CONDITION OF APPLICATION

Temperature: minimum 5^0C ; maximum 50^0C.
Relative humidity: maximum 85%.
Substrate temperature should be at least 3^0C above dew point.

CHEMICAL RESISTANT CHART

Solvents	Acids (Conc.)	Bases / Alkalines (Conc.)
Acetaldehyde	Acetic (1-50%)	Ammonia (1-25%)
Acetone	Acid plating solutions	Ammonium Hydroxide (1-25%
Acetonitrile	Adipic (1-25%)	Aniline
Acrylonitrile	Azotic (1-25%)	Barium Hydroxide (1-sat.)
Butyl acetate	Boric (1-sat.)	Black Pulp Liquor
Cyclohexane	Chromic (1-30%)	Butyl Amine
Ethanol	Chlorohydric (1-37%)	Cadmiun Cyanide Plating
Ethyl acetate	Citric (1-sat.)	Calcium Hydroxide (1-25%)
Ethyl alcohol	Dibasic (1-sat.)	Chromium Trioxide (1-25%
Formaldehyde	Ethanoic (1-50%)	Copper Cyanide Plating
Isopropyl Alcohol	Ethylic (1-50%)	Dimethyl Aniline
Jet Fuel	Engravers (1-50%)	Hydrogen Peroxide (1-30%)
Kerosene	Hydrochloric (1-37%)	Green Pulp Liquor
Methyl Ethyl Ketone	Hydrofluoric (1-20%)	Soap solutions
Methanol	Lactic (1-sat.)	Sodium Cyanide (1-15%)
Methyl Alcohol	Nitric (1-25%)	Sodium Hypochlorite (1-9%)
Rubbing Alcohol	Oleic (100%)	Sodium Hydroxide (1-50%)
Wood Alcohol	Oxalic (1-sat.)	Triethanolamine
1,1,1 Trichloroethane	Phosphoric (1-85%)	Triethylamine
Phenol	Sulfuric (1-98%)	Potassium Hydroxide (1–sat)

INSTRUCTION FOR USE

- Mixing ratio by volume: Base; Hardener = 4:1
- The temperature of the mixed base and hardener should be above 15^0C, otherwise extra solvent may be required to obtain application viscosity.
- Stir well before use preferable by means of mechanical.
- Thinner should be added after mixing the components.
- Too much solvent result in lower sag resistance and slower cure.
- Thinner should be added after mixing components.

APPLICATION DETAILS

Method of application	Airless spray	Air Spray	Roller/brush
Thinner No.	KEN TH 012	KEN TH 012	KEN TH 012
Volumer of thinner	Max. 10%	Max 15%	Max. 5%
Nozzle orifice	0.018 (0.46 mm)	1.5-2 mm	-
Nozzle pressure	150 Bar (2100 psi)	3-4 Bar / 57 psi	-
Cleaning solvent	KEN TH 011	-	-

SAFETY PRECAUTION

Keep away from heat, spark and open flames. Avoid breathing of vapour on skin and eye contact. Keep container closed and store in cool, ventilated area when not in use. Proper ventilation and protective measures must be provided during mixing, application and drying, to keep vapour concentration within safe limits and to protect against toxic hazard. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interior and building.