EPO/TANK

Epoxy Based Top Coat for Storage Tanks

PRODUCT DESCRIPTION

Two component, solvent free, epoxy resin based top coat designed for use on the interior and exterior surfaces of storage tanks.

AREAS OF USE

İNKA-EPO/TANK is generally used on surfaces which are in direct contact with;
- Domestic & waste water,
- Mineral oil, jet fuel A-1,
- Diesel fuel and aliphatic solvents etc.

İNKA-EPO/TANK is not suitable for use on surfaces which are in contact with hydraulic fluids and fuel-oil.

ADVANTAGES

- Provides very high chemical resistance,
- Has high hardness, therefore enhanced abrasion resistance.

TECHNICAL DATA

- **Color:** White, Light Grey, Cream and Light Blue
- **Unit Weight of Mixture:** 1,35 ± 0,2 kg/lt (@ 20°C) DIN 51757
- **Solid Content: %**98 ± 2 (A+B by weight) DIN 53216
- **Mixing Ratio:**
  By weight 4 parts Resin Comp.A
  By weight 1 part Hardener Comp.B
- **Packaging:** A + B = 20 kg (16 + 4 kg)
- **Storage:** 1 year in a dry and closed area, stored between 5 to 35°C, in unopened packages.
- **Application Temperature:** Ambient temperature should be between 15°C - 30°C and surface of application should not be below 10°C. Ambient relative humidity should not be higher than 80% and application should not be made under rain and fog.
- **Pot Life:** (ambient relative humidity max. 80%)
  @ 20°C - 30 - 60 min. ; @ 30°C - less than 20 minutes
  Pot life decreases significantly when mixed in large volumes and/or when ambient temperature increases.
- **Dry Time:** (ambient relative humidity max. 80%)
  Pre-curing: 4 - 8 hours (@20°C) may vary according to the application thickness surface condition.
- **Hardening Time:** (ambient relative humidity max. 80%)
  Above 15°C, 18 - 24 hours. This period shortens at higher temperatures. If 15°C of environmental temperature can not be reached, the environment should be heated with an external source for proper curing. Same mathod should be used for the application surface.
- **Curing Time:** (ambient relative humidity max. 80%)
  7 days (@20°C) The coating should be protected against chemical impacts during this period. This period shortens at higher temperatures.
- **Waiting Time Between Layers:** min. 12, max. 24 hours @20°C. If this period is exceeded, surface should be sanded before the application of the second coat.

APPLICATION

Surface Preparation
Surface should be free from all loose particles like rust, dirt, grease etc, and should be sand blasted up to the Sa 2,5 standards.The surface should be primed within the 4 hours of sanding process. The coating should not be delayed to the next day and if delaying is inevitable, sanding process must be repeated prior to the application.

Product Preparation: The resin Comp.A is mixed with a slow speed compulsory mixer thoroughly. Comp.B is then added andshould be mixed for 3 minutes. Excessive amounts should not be prepared considering the pot life of the product. Product should never be mixed with a thinner and should be used in its original viscosity.

Application: Application should be made with a bristle brush, a roller with short hair or an airless spray-gun.

Multiple layer applications should be made right after the previous layer's surface becomes tack-free in order to assure perfect adherence.

COVERAGE

200 - 250 micron per layer.
Depending on the surface condition and porosity, (roller and brush applications) 2 - 3 m^2 per kg for 150 - 200 micron thickness in a single layer.

ATTENTION

- Surface temperature must be 3°C higher than the dew point.
- The coating should be protected from chemical and physical impacts during the curing process.
- Product should be kept away from frost!
- 2nd layer should be applied before the surface dry out of the 1st layer.
- The components should be mixed throughly in order to achieve a full reaction.
- Applications at cold temperatures, a 5 to 10 minute period should be allowed for the reaction to start after the mixing process. The application should then be continued.
- This material is suitable for use in potable water tanks but it is not recommended by INKA for use in such areas.
- Special thinner can be used for cleaning.

HEALTH & SAFETY

Protective masks should be used when used in closed spaces and such environments should be ventilated continuously.

- R11 Flammable.
- R20/21/22 Hazardous when inhaled, swallowed or comes in contact with eyes and skin.
- R34 May cause burns.
- R36/38 Irritant to eyes and skin.
- R43 May cause allergic reaction when comes in contact with skin.
- S1/S2 Store locked and out of reach of children.
- S20/S21 Do not eat drink or smoke when product is in use.
- S24/25 Keep away from skin and eyes.
- S26 When contact with eyes occur, wash with plenty of water and seek medical attention if necessary.
- S38 Use a breathing apparatus when used in spaces with insufficient ventilation.

TECHNICAL SERVICES

Our technical support team is ready to answer all your questions concerning our product line.
For additional information, please contact our headquarters.
Material Safety Data Sheet of this product can be obtained from **info@inka.com** or from our regional sales representatives.