

EPOCOAT fc/sf

Epoxy Based Solvent Free Top Coat

PRODUCT DESCRIPTION

Two component, solvent free, epoxy based, heavy-duty, glossy topcoat.

AREAS OF USE

INKA-EPOCOAT fc/sf is used on structural concrete surfaces, cementitious plasters, asbestos/cement panels and metals etc. to protect them against atmospheric, chemical and physical wearings of industrial areas such as;

- Refineries, petrochemical and other industrial plants,
- Waste-water, beer and malt plants,
- Hospitals and laboratories,
- Seaports and shipyards,
- Wine storage tanks,
- Water and fuel reservoirs,
- Medicine and food plants
- Energy plants.

It is also used to obtain an antistatic, smooth and hygienic surface for medical and sanitary areas.

ADVANTAGES

Ensures resistance to a broad spectrum of corrosive chemicals and solvent exposure,
Ensures resistance to abrasion,
Can be effectively used on exterior surfaces as well as interior walls for protection against fume, dust, splash and spillage,
Solvent free,
Safe to use in places with poor ventilation,
Easy to clean thanks to its glossy texture,
Harmless when fully cured,
complies with British Standard (two component epoxy coating resistant to chemical agents) BS 5493-1977:KU 1B/KF 1B

TECHNICAL DATA

- **Color:** White, Grey, Beige, Green, Red
- **Unit Weight of Mixture:** $1,40 \pm 0,05 \text{ kg/ltr}$ (@ 20°C)
- **Mixing Ratio:**
By weight 4,5 parts Resin Comp.A
By weight 1 part Hardener Comp.B
- **Packaging:** A + B = ~ 22 kg (18 + 4 kg)
- **Storage:** 1 year in a dry and closed area, stored between 10 to 35°C, in unopened packages.
- **Pot Life:** @ 20°C - 60 minutes ; @ 30°C - 20 minutes
Pot life decreases significantly when mixed in large volumes and/or when ambient temperature increases.
- **Dry Time:**
Surface dry-out: 4 - 6 hours (@20°C)
Full dry-out: 16 - 24 hours (@20°C)
- **Curing Time:** 7 days (@20°C) The coating should be protected against chemical and physical impacts during this period.
- **Waiting Time Between Layers:** min. 12, max. 48 hours @20°C.
If this period is exceeded, surface should be sanded before the application of the second coat.
- **Chemical Resistance:**
When coated with appropriate final epoxy layer: resistant against diluted acids, diluted and concentrated alkalis, detergents, disinfectants, mineral oils, animal fats, salt water and solvents like diesel, gasoline, alcohol etc.
- **Heat Resistance:** in wet areas 50°C
in dry areas up to 130°C
without being subjected to continuous chemical and mechanical impacts.



APPLICATION

Surface Preparation

Steel surfaces 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.

New concrete surfaces and cementitious plasters must be cured for at least 28 days. It should be dry, free from loosely adhering particles, laitance and grease. All particles must be vacuumed from the surface before application. Sand blasting must also be made if needed.

Old concrete surfaces and cementitious plasters should be dry, free from loosely adhering particles, laitance, grease, paint and should be cleaned with a light sand blasting process if possible or by scraping or brushing.

Product Preparation: The resin Comp.A is mixed with a slow speed compulsory mixer thoroughly. Comp.B is then added and should be mixed for 3 minutes. (@ 300 rpm) Excessive amounts should not be prepared considering the pot life of the product.

Application: Application should be made with a bristle brush, a roller with short hair or an airless spray-gun, until a thin layer of evenly distributed glossy surface is obtained. Multiple layer applications should be made just after the previous layers surface becomes tack-free.

COVERAGE

Depending on the surface condition,
for a 250 mic thickness dry film layer, ~ 2,5 - 3 m² per kg.

ATTENTION

- Ambient and surface temperature must be above +8°C and relative humidity must be above 70%.
- Surface temperature must be 3°C higher than the dew point.
- The primer should be protected from chemical and physical impacts during the 7 day curing process.
- Product should be kept away from frost!
- Special thinner can be used for cleaning.

HEALTH & SAFETY

- 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.

