

### PRODUCT DESCRIPTION

Two component, epoxy based glossy topcoat.

### AREAS OF USE

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

- Refineries, petrochemical and other industrial plants,
- Seaports and shipyards,
- Energy plants,
- Waste-water and malt manufacturing plants,
- Hospitals and laboratories,
- Water and fuel reservoirs,
- Medicine and food plants,
- Construction Industry; inner facades of concrete formworks.

It can also be used as an asntistatic, decorative glossy top coat on all sorts of surfaces.

### TECHNICAL DATA

- **Color:** Optional. RAL9010 and 7040 available from stocks.
- **Unit Weight of Mixture:**  $1,20 \pm 0,05\text{kg/l}$  (@ 20°C)
- **Solid Content:** 65% by weight
- **Mixing Ratio:**  
By weight 4 parts Resin Comp.A  
By weight 1 part Hardener Comp.B
- **Packaging:** A + B = 25 kg (20 + 5 kg)
- **Storage:** 1 year in a dry and closed area, stored between 10 to 35°C, in unopened packages.
- **Pot Life:** @ 20°C - 4 hours;  
Pot life decreases significantly when mixed in large volumes and/or when ambient temperature is over @ 20°C.
- **Dry Time:**  
Surface dry-out: 2 - 4 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. This period can be shortened down to 1 hour at @65°C with an oven.
- **Waiting Time Between Layers:** min. 6 - 8 hours, max. 48 hours @20°C. If this period is exceeded, surface should be sanded before the application of the second coat to ensure adhesion.
- **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 21 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. **INKA-EPOPRIME® c** can be used as a primer before coating.

**Product Preparation:** The resin Comp.A is mixed with a slow speed compulsory mixer thoroughly. Comp.B is then added and should be mixed until the mix becomes homogeneous. 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.

### COVERAGE

Depending on the surface condition, porosity and permeability, for a 100 mic thickness dry film layer, ~ 12 m<sup>2</sup> per kg.

### ATTENTION

- It is vital to provide proper ventilation at closed areas or in areas with insufficient ventilation as the product contains solvent!
- 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.