

EPOGROUT^{st/3}

Epoxy Based, Three Component
Non-shrink Grouting Mortar (solvent free)

PRODUCT DESCRIPTION

INKA-EPOGROUT ^{st/3}, is a three component, epoxy based, solvent free non-shrink grouting mortar designed for heavy duty surfaces which are in contact with chemical agents and subjected to vibration.

AREAS OF USE

INKA-EPOGROUT ^{st/3} thanks to its solvent free composition, is non-shrink and can be efficiently used in high strength grouting and fixing of;

- Starter bars,
- Concrete anchors,
- Machine foundations,
- Foundation plates,
- Guide rails for heavy construction equipment,
- Tie rods etc.

TECHNICAL DATA

- **Color:** Comp.A clear Comp.B clear yellow Comp.C natural
- **Unit Weight of Mixture:** ~ 1,90 ± 0,05 kg/lt (@ 20°C)
- **Solid content:** 100% by weight
- **Mixing ratio:** by weight:
2,2 units (A) Resin / 1,0 unit (B) Hardener / 10,3 unit (C) filler
- **Packaging:** 13,5 kg set
- **Storage:** 1 year in a dry and closed area, stored between 10 to 35°C, in unopened packages.
- **Pot Life:** @ 20°C - 30 minutes
Pot life decreases significantly when mixed in large volumes and/or when ambient temperature increases.
- **Curing Time:** Initial cure: ~ 6 hours (@20°C)
Final cure: 48 hours (@20°C)
The product will be fully cured in 7 days (@20°C)
- **Chemical Resistance:**

After the product fully cures, **INKA EPOGROUT/st** is resistant to all inorganic agents like diluted and concentrated acids, alkalis, detergents, disinfectants, mineral oils, animal fats, salt water and solvents like diesel, gasoline, alcohol etc. except oxide containing chemicals. It is not resistant to phenol, formic acid, acetic acid and high level acid containing environments.

APPLICATION

Surface Preparation

Concrete surfaces: Concrete 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.

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.

Product Preparation: The resin Comp.A is mixed with a slow speed mixer while adding the hardener Comp.B (@ 200 - 250 rpm)(In order to prevent excessive air entrainment into the product, the mix should be made slowly!) The filler Comp.C is then added slowly into the container while mixing Comp.A and Comp.B. The stirring should continue for another 2 to 3 minutes until a uniform mix is achieved free from lumps and air bubbles. Excessive amounts should not be prepared considering the pot life of the product.



INKA.3.03.TB.092 30/06/2015/02



Application: For grouting applications, product should be poured immediately after mixing from one side, in order to allow the air displaced by the mortar to escape. To acquire an easily placed mortar, the product should be continuously poured from a 150 - 200 mm height. **EPOGROUT/^{st/3}** is formulated for 20 – 75 mm thick layers per application. When grouting starter bars, Comp.C amount must be reduced for desired flow.

MECHANICAL STRENGTHS

(@ 20°C after 7 days)

Compressive Strength min.	95 N/mm ²
Flexural Strength min.	40 N/mm ²
Tensile Strength min.	7 N/mm ²
Adherence to Concrete	4 N/mm ²

COVERAGE

Depending on the surface condition, 2 kg/m² per mm thickness

ATTENTION

- For cases where the minimum waiting time inbetween layers is to be exceeded, sanding should be made on the first layer in order to ensure adhesion between layers.
- Ideal working temperature is 20°C. Application should not be made where ambient temperature is below +8°C and relative humidity is above 70%.
- Surface temperature must be 3°C higher than the dew point.
- The product should be protected from chemical and physical impacts during the 7 day curing process.
- Adequate ventilation should be provided for closed spaces.
- Special thinner can be used for cleaning.

RISK DEFINITIONS & SECURITY RECOMMENDATIONS

- R11 Highly flammable.
 - R20/21/22 Hazardous when inhaled, swallowed or comes in contact with eyes and skin.
 - R34 Causes burns.
 - R36/38 Irritating to eyes and skin.
 - R43 May cause sensitisation by skin contact.
 - S1/S2 Keep locked up and out of the reach of children.
 - S16 Keep away from sources of ignition - No smoking.
 - S20/S21 When using do not eat or drink & do not smoke.
 - S24/25 Avoid contact with skin and eyes.
 - S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - S38 In case of insufficient ventilation wear suitable respiratory equipment.
- Hazard symbol: H2, Xn

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.