EPOREPAIR/adh

Epoxy Based, Multi Purpose, Smooth Finish Filler & Repair Paste

PRODUCT DESCRIPTION

İNKA-EPOREPAIR/adh is a two component, epoxy based, multi-purpose, solvent free, tixothropic repair, filling, bonding and smoothing putty.

AREAS OF USE

- fixing starter bars both vertically and horizontally,
- bonding steel to concrete and concrete to concrete,
- ensuring adherence between old and new concrete,
- fixing waterproofing and joint sealing tapes onto expansion joints,
- fixing all sorts of coatings such as granite and composite stones on surfaces,
- as a primer on steel, concrete, dry wood, asbestos/cement surfaces before painting,
- leveling of welding seams / welding joints,
- placing fiber glass reinforced laminations on cross-sections
- rounding intersections,
- filling the cracks and cavities on concrete,
- correcting the defects on formworks,
- structural repairing of precast concrete.

ADVANTAGES

- non-shrink,
- after good substrate preparation, bonds perfectly onto surfaces,
- solvent free nature allows easy use and a safe working environment,
- allows a flawless substrate for the final paint coat after sanding process,
- long pot life allows application at large areas,
- can be covered by a wide variety of paint,
- resistant to broad spectrum of corrosive chemicals and solvent exposure,
- resistant to sudden temperature changes,
- resistant to freeze and thaw cycles,
- cured product is non-stain and easy to clean due to its glossy nature,
- harmless when fully cured. (complies with BS6920 for potable water contact)

*Not recommended for use as a coating paste on boats.

TECHNICAL DATA

- **Appearance:** Beige, grey (optional colors)
- **Density:** 1,85 ± 0,05 kg/lt (@20°C)
- **Solid Content:** 100% by weight
- **Mixing ratio: Type 1** 5 units Comp.A by weight
  0,35 units Comp.B by weight
  Type 2 4,5 units Comp.A by weight
  1,5 units Comp.B by weight
- **Packaging:** **Type 1** A + B = 5,25 kg set
  Comp.A 5,0 kg + Comp.B 0,250 kg
  Type 2 A + B = 6,0 kg set
  Comp.A 4,5 kg + Comp.B 1,5 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
  Pot life decreases significantly when mixed in large volumes and/or when ambient temperature increases.
- **Curing Time:**
  Initial cure: 3,5 - 4 hours (@20°C)
  Final cure: 18 - 24 hours (@20°C)
  The product will be fully cured in 7 days (@20°C) The surface of application should be protected against chemical and physical impacts during this period.
- **Chemical Resistance:**
  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.

COVERAGE

Depending on the surface condition, per mm thickness 1,80 kg/m^2

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 first 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 dry, free from loosly 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 loosly adhering particles, laitance, grease, paint and should be cleaned with a light sand blasting process if possible or by scraping or brushing. Oil and grease residues must be burned with special tools and jet sprayed with water/detergent mix. Substrate moisture should be 5% max. and it is recommended to prime the surface with **EPOPRIME/c** prior to application.

Wood: Surface must be dry, clean and sanded. All loose particles must be removed by a vacuum or jet air-spray. Wooden surfaces with too much oil absorbed on the surface must be thoroughly cleaned with solvent.

Product Preparation: The resin Comp.A is mixed with a slow speed mixer while adding the hardener Comp.B (@ 200 - 250 rpm) for 3 minutes. The mix should be made thoroughly until a lump free uniform paste is achieved. Small amounts can be mixed by hand on a clean surface by a spatula. During winter and/or under cold weather conditions, the resin inside the original packaging hardens. In such cases the product must be taken to room temperature or can be heated (not with open fire) during the mixing process. The product temperature must not exceed 25°C during the heating process.

Application: Application can be made by a spatula, trowel or a putty gun. The surface should then be smoothened by a slow speed sanding machine.

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MECHANICAL STRENGTHS

(@ 20°C after 7 days)

Compressive Strength	50 N/mm2
Flexural Strength	26 N/mm2
Adherence to Concrete	4 N/mm2

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.

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.