



Two Component, Cement/Polymer Based Natural/Composite Stone Adhesive

PRODUCT DESCRIPTION

İNKA-HY2 is a high performance two component synthetic resin based tile adhesive used to fix tiles, composite and natural stones like marble, granite etc.

AREAS OF USE

Fixing ceramic tiles, marbles, composite stones and natural stones in areas such as;

- Kitchens, bathrooms,
 - Terraces and balconies, where quick setting of the product and prolonged periods of exposure to outside temperatures is of great importance,
 - Swimmingpools, water reservoirs where waterproofing and strong adhesion capabilities are of great importance,
 - Cold rooms, slaughter houses,
- To fix tiles on sound surfaces such as;
- MDF boards,
 - Gypsum panels etc.

ADVANTAGES

- Polymer/resin modified.
- Added extra flexibility.
- Waterproofs the surface adding a bonus feature.
- Minimized slip after application,
- Sets quicker than all other competing tile adhesive brands.
- Ensures perfect adherence on all sorts of surfaces.

TECHNICAL DATA

- **Appearance:** Comp. A: Milky white liquid
Comp. B: Light grey powder
- **Unit Weight of Fresh Mortar:** ~ 1,9 kg/lt
- **Packaging:** Comp. A: 5,5 kg PE bin
Comp. B: 25 kg craft paper bag with PE lining
- **Storage:** 12 months when kept in a dry and closed area stacked in loads of maximum 5 bags, away from freezing temperatures
- **Pot Life:** 40 mins. (@ 20°C)
- **Standard:**



TSE EN 12004:2007 + A1 / 10.04.2013

Type -C2: Enhanced Cementitious Tile Adhesive

APPLICATION

Surface Preparation: Surface must be cleaned from all loose particles, dust, grease, oil, scale and rust. The curvatures/slopes on horizontal and vertical surfaces should be levelled with a bedding /repair mortar **İNKA-HT100** or **İNKA-HT200**.

Mixing the Mortar: Comp.B (25 kg powder) should be slowly added onto Comp.A (5,5 kg liquid) while mixing with a speed controlled hand operated compulsory mixer until the mortar becomes smooth, cohesive and free of lumps and air bubbles.

Placing the tiles (marble, granite etc): A thin layer of **İNKA-HY2** should be applied onto the surface. For floor tiles up to 30 x 30 cm's in size, a 10 mm trowel should be used. For larger floor tiles, 12 mm trowel should be preferred.

For wall tiles up to 20 x 25 cm's in size, a 6 mm trowel should be used. For larger wall tiles, 8 to 10 mm trowel should be preferred. To ensure no voids occur and full coverage of adhesive is achieved, tile should be pressed into adhesive giving twisting and front and back sliding motion.

In order to compensate for uneven surfaces or tiles with uneven thickness, in addition to applying adhesive on substrate, the rear of the tiles should also be applied with **İNKA-HY2**.

The tile fixing process should be completed in 20 minutes max. Under hot weather conditions, the open time will be significantly shortened. To overcome this problem, the area should be slightly dampened right before the application.

Filling the joints: Grouting should commence not before 24 hours with **İNKA-HD**, **DERZFLEKS** and **EPOXYFUGA**. If the ambient temperature is suitable, the grouting can start as early as 3 hours.

CONSUMPTION

Depending on the surface condition and application method; ~ 2 kg/m² per mm. Optimum result is achieved with ~ 5 - 8 kg/m². Consumption may vary under actual on site conditions.

ATTENTION

- The application area should not be washed, opened to light traffic for at least 3 to 4 hours depending on the environmental temperature and protected against direct sunlight and heavy rain for 12 hours.
- After trowelling the product onto the surface, the application should be finished in 20 minutes.
- The fixed tiles can be re-aligned within 30 minutes of application.
- The area can be opened to light pedestrian traffic in 3 to 4 hours depending on the ambient temperature. For heavy traffic 24 hours is needed.
- Fresh product should be used in 40 minutes @ 20°C. Pot life shortens at higher temperatures. If 40 minutes is exceeded, the remaining product should be discarded as the physical properties of the product will be significantly reduced.
- Do not use **İNKA-HY2** where environmental temperature is below +5°C and above +35°C.
- Temperature and humidity will effect the final curing time of all cement based materials therefore extended periods of curing/ protection must be allowed when temperature drops below +10°C and/or when relative humidity is higher than 70%.
- Component A (liquid) should be protected from freezing temperatures during transportation and storage. If accidental freezing occurs, the product should be discarded as it will lose its physical and chemical properties.
- If early setting occurs on the rendered surfaces, water should never be added, instead the mortar should be spreaded with a notched trowel. (adding water will not stop the early setting but will reduce the adherence of the adhesive)





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- Heavy loads should not be brought onto the application area before 24 hours and all other fixing and erecting jobs on top of it should be started 7 days later.
- Additional water should not be added to the mix after the mixing process is completed.
- Ideal application thickness is 3 - 10 mm.
- The remaining product should be kept closed and airtight in its original packaging.
- For outside applications, the area should be protected against direct sunlight, wind, rain and freezing temperatures.
- Joint filling applications should not start before 24 hours for vertical joints and 48 hours for horizontal joints.
- Tools must be cleaned with water before residues fully cure.

HEALTH & SAFETY

- Contains cement and acrylic dispersion. In case of contact with skin and eyes, wash with plenty of water.
- Protective mask should be worn during the preparation of the product.
- Mechanical ventilation might be needed when used in small spaces and/or 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.

