



Cement Based, Flexible, Polymer Modified Tile Adhesive

PRODUCT DESCRIPTION

INKA-H1-FLEKS is a ready to use multipurpose, cement based tile and marble adhesive, enhanced with resin based additives for extra adherence and durability.

ADVANTAGES

- Polymer/resin modified,
- Extra added flexibility,
- Minimized slip after application,
- Strong adherence

INKA-H1-FLEKS, ensures perfect adherence to all concrete surfaces.

AREAS OF USE

INKA-H1-FLEKS is used;

- Where temperature changes during the day are of great importance,
- Where extra resistance to water and frost are needed both indoors and outdoors.
- Where elasticity is needed,
- In tiling of residential areas such as kitchens and bathrooms,
- In tiling of swimming pools and water tanks where high adherence and waterproofing is of great importance,
- In tiling of special areas such as cold rooms, slaughter houses,
- In tiling of areas such as balconies, terraces and exterior facades of buildings which are exposed to outside weather conditions.

TECHNICAL DATA

- **Appearance:** Grey or white powder
- **Unit Weight of Fresh Mortar:** ~ 2 kg/lt
- **Storage:** 12 months when kept in a dry and closed area stacked in loads of maximum 5 bags, away from freezing temperatures
- **Packaging:** 25 kg craft paper bag with PE lining
- **Standard:**



TSE EN 12004:2007 + A1 / 10.04.2013

Type -C1: Normal Setting 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 **INKA-HT100** or **INKA-HT200**.

Product Preparation: 25 kg's of **INKA-H1-FLEKS** should be mixed with ~ 6 litres of water. Add water into a clean container and sprinkle **INKA-H1-FLEKS** slowly into liquid while mixing continuously until a smooth, lump free mix is obtained. Always add powder to liquid.

The mortar should be left to rest for 5 minutes and the mixing process should then be repeated until the desired consistency is achieved.

Placing the tiles: A thin layer of **INKA-H1-FLEKS** 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 **INKA-H1-FLEKS**.

The adhesive bed thickness should be at least 2 to 3 mm.

Filling the joints: Grouting should commence not before 24 hours with **INKA-HD**, **DERZFLEKS** and **EPOXYFUGA**.

CONSUMPTION

Depending on the surface condition and the kind of tile used; ~ 2 kg/m² per mm. Optimum result is achieved with ~ 5 kg/m².

ATTENTION

- The application area should not be opened to pedestrian traffic before 24 hours and heavy duty repair jobs should not start before 2 weeks.
- Additional water should not be added to the mix after the mixing process is completed.
- Application thickness should not exceed 3 -10 mm.
- Do not use **INKA-H1 FLEKS** where environmental temperature is below +5°C and above +35°C.
- Ready to use mortar should be applied within an hour.
- The fixing of the tiles should be finished in 20 minutes following the application of the mortar onto the surface.
- 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. In case of contact with skin and eyes, wash with plenty of water.
- Protective mask should be worn during the preparation of the product.

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.