

PRODUCT DESCRIPTION

INKA-GAPFILL is a rapid strength, polymer modified, high flow bedding mortar enhanced with fibers, for use with all access covers allowing for roads to be open to traffic within 60 minutes.

AREAS OF USE & ADVANTAGES

INKA-GAPFILL is generally used:

- to raise and level manhole access covers,
- to fill nonstructural cavities on concrete surfaces,
- to fill tiered holes,
- for filling door frames and window frames,
- for all kinds of anchoring on concrete surfaces,
- for concrete surface repair jobs to allow for roads to be open to traffic within 60 minutes.

ADVANTAGES

- Rapid strength gain in 20 minutes.
- Application area can be opened to traffic in 60 minutes.
- High strength and waterproof nature makes it resistant to extreme temperatures therefore freeze-thaw cycles.
- Easy to apply; just add water.
- Excellent workability, self-leveling.
- Non-shrink.

TECHNICAL DATA

- **Appearance:** Grey powder
- **Unit Weight of Fresh Mortar:** : ~ 2,1 kg/lt
- **Unit Weight of Dry Mortar:** ~ 2,30 kg/lt
- **Material base:** Contains cement, polymers and mineral aggregate
- **Pot life:** 3 to 10 minutes depending on the ambient temperature
- **Surface Temperature:** +5°C - +30°
- **Application Thickness:** 10 mm - 150 mm
- **Initial Setting:** ~ 20 minutes (depending on the ambient temperature)
- **Flow:** >25 cm (self-leveling)
- **Time for Foot Traffic:** 1 hour
- **Time for Full Cure:** 28 days
- **Storage:** 6 months when kept in a dry and closed area stacked in loads of maximum 5 bags
- **Packaging:** 25 kg craft paper bag with PE lining

APPLICATION

Surface Preparation: Surface must be cleaned from all loose particles, dust, grease, oil, scale and rust. (cleaned with pressurized water @ 100 bars) Cleaned substrate should be wetted with a brush or sponge.

Mixing the Product: ~ 3 kg of water is taken into a clean container. **INKA-GAPFILL** is sprinkled slowly into liquid while mixing continuously with a 400 - 600 rpm compulsory mixer until a smooth, lump free mix is obtained.



The mortar should be applied and compacted into the supporting structure in a period of 3 - 4 minutes @ 20°C including the mixing process, at a thickness of 10 to 150 mm. For greater depths, application should be made in layers.

CONSUMPTION

~ 2000 kg per m³.

CLEANING

Tools must be cleaned with water before residues fully cure. Cured material can only be removed mechanically.

PHYSICAL PROPERTIES

Compressive strengths

(@ 23°C and 50% relative humidity)

-in 160mm x 40mm x 40mm moulds	
1 hour	> 14 N/mm ²
7 days	> 48 N/mm ²
28 days	> 53 N/mm ²

CAUTION

- Water should never be added to **INKA-GAPFILL** after the mixing process is completed. (to increase workability)
- Water content will vary according to changes in ambient temperature. Therefore on site trials should be carried out to get an indication of the appropriate working speed before using the product.
- Environmental temperature, humidity and amount of mixing water used may shorten or extend the workability period of the product.
- Do not use where environmental and surface temperature is below +5°C and above +35°C.
- The remaining product should be kept closed airtight in its original packaging.
- For outside applications, the area should be protected against direct sunlight, wind, rain and freezing temperatures.
- Tools must be cleaned immediately with warm water before the residues fully cure. The cured product should be removed mechanically.

HEALTH & SAFETY

- **INKA-GAPFILL** is a cement and polymer based material. Therefore increase of contact with skin, wash with plenty of water.
- Protective mask, goggles and gloves should be worn during the preparation of the product.
- **INKA-GAPFILL** does not contain harmful chemicals like solvents or asbestos.

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.