



UNI EN ISO 9001:2008
Quality System Certified Company



According to European Standard
EN 12004

TECHNICAL DATA SHEET

PRODUCT

GENERALKOLL GK 104 white

**Quick setting cement adhesive in powder
for laying
marble, granite, natural stones**

DESCRIPTION

GK 104 is a quick-setting and quick hydration powder adhesive based on Portland cements, aluminous cements and fillers of selected grain size (white quartzes), ideal for laying marble, granite and natural stones.

SPECIFICATION

Floors and walls of marble, granite and natural stones must be applied by using powder adhesive based on mixed binders such as **GK 104**, with **C2FT** characteristics complying with the European Standard EN 12004

FIELDS OF APPLICATION

Laying floors and walls of marble, granite and natural stones both indoor and outdoor. Overlaying of ceramic on ceramic and stone on stone after application of primer, GENERFIX, for promoting and improving the adhesion of GK104 with support.

IMPORTANT

- **Do not use** at temperature below 5°C (41°F) or higher than 35°C (95°F)
- **Do not use** on wood substrates
- **Do not use** on not matured concrete
- **Do not use** for laying plasterboards
- **Do not use** for laying tiles requiring adhesive thickness over 10 mm.

PREPARING THE MIXTURE

Mix 25 kg of **GK 104** with 6-6.5 litres of clean water, possibly using a low-speed mixer, until to obtain a homogeneous mixture without lumps.

Let the mixture stand 5 minutes about then mix again, at least 30 seconds, before using. The prepared mixture, mixed again immediately before use/application, has a shelf-life of about 1-2 hours (according to environmental conditions: temperature, ventilation, etc.).

PREPARING THE SUPPORT

The substrate/screed properly matured (cement needs until 28 days) must be flat and solid and free from any kind of friable and alien substance and cleaned of traces of oil and wax (the use of NEUTREX degreasing detergent is recommended).

Damp substrate slows down the setting time of the adhesive and the presence of water on the surface has a detaching effect.

To avoid the powdering of the screed and to improve the adhesion the application of PRIMER PRS 35 to the screed is suggested.

LAYING THE TILES

Apply **GK 104** with a toothed spatula/knife of suitable toothing for the tile size to be laid.

To limit the problem of eventual rising of salts or humidity or oxidation phenomena coming from the support/screed and in order to help further the adhesion, it is suggested to apply on the back of the tile the product SUPER BINDER 211.

Lay the tile with a good pressure to ensure the back of the tile is completely wet and in contact with the adhesive.

Severe conditions such as very high temperatures, strong wind, very absorbing substrate, can drastically reduce the "open time" and the "tile adjustment" time. In this case, it is suggested to dampen the substrate before to apply the adhesive.

Under these conditions, periodically check that the applied adhesive has not made a superficial film; in this case restore the texture simply by a new knife/spatula shot.

When laying floors and walls outdoor, the application of the adhesive also on the back of the tile is needed so as to fill all cavity of the tile (cavities where water could infiltrate or condensation could form and this, in case of frost, can lead to the detachment or breakage of the tile).

IMPORTANT. In case of laying on gypsum surfaces or laying of plasterboard, such gypsum surfaces or/and plasterboard must be previously treated with a primer to help and improve the adhesion.



CLEANING

Cleaning can be effected after 2-3 hours from installation with a damp sponge. After cleaning it is suggested to protect marble, granite, natural stone with the sealers of **Industria Chimica General: EVER CLEAN, IMPERSTON, RAIN STOP, KD 32, OLD AGE, OLDER 2.0**
For more information about these products, refer to the technical data sheets.

CONSUMPTION

3,5 kg/m² to 5 kg/m² depending on tile size and thickness.

PACKAGING

GK 104 is packed in multi-layer polythene-lined paper bags.
Bags of 25 kg. each. Pallets of 1200 kg or 1500 kg. (48 or 60 bags each pallet)

TECHNICAL DETAILS according to General Quality Rules

APPEARANCE	powder
COLOUR	white
FLAMMABILITY	no
TOXICITY	no
STABILITY	12 months in original packing and in dry environment
MIXING RATIO	abt. 6 - 6.5 litres of water each 25 kg. of powder
MIXTURE DENSITY	1.6 kg/L
MIXTURE pH	12.8
MIXTURE SHELF-LIFE	1-2 hours
APPLICATION TEMPERATURE	between 5°C and 35°C (41°F and 95°F)
OPEN TIME at 20°C (68°F) and 60% R.H.	25 minutes
TILE ADJUSTMENT	within 15 minutes after laying
PEDESTRIAN TRAFFIC (on floor)	12 to 24 hours after laying
JOINT MAKING ON WALLS	2 to 3 hours after laying tiles (depending on absorption)
JOINT MAKING ON FLOORS	6 to 8 hours after laying tiles

LIMITATION OF LIABILITY The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Liability for defective products, when verified, is limited to the refund of the purchase price since the application of the product is beyond the control of the manufacturer or supplier.