



## TECHNICAL DATA SHEET

PRODUCT

# GENERALKOLL FORGRES 2000

grey or/and white



**CEMENT ADHESIVE FOR LAYING  
GRES PORCELAIN TILES AND CERAMIC TILES**  
insignificant vertical slip  
and extended open time

According to European Standard  
EN 12004

### DESCRIPTION

**FORGRES 2000** is a powder adhesive based on Portland cements and inert fillers of selected grain size (white quartzes), particularly suitable for laying gres porcelain tiles.

### SPECIFICATIONS

**FORGRES 2000** allows achieving thickness up to 8-10 mm.

Floors and walls of ceramic tiles in big size must be applied by using powder adhesive based on mixed binders such as **FORGRES 2000**, with **C2** characteristics.

### FIELDS OF APPLICATION

Laying gres porcelain tiles and ceramic tiles to floors and walls both indoor and outdoor

### 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 plasterboard and anhydrite
- **Do not use** for laying tiles requiring adhesive thickness over 10 mm.

### PREPARING MIXTURE

Mix 25 kg of **FORGRES 2000** with 6-6.5 litres of clean water, possibly using a low-speed mixer, until to obtain a homogeneous mixture without clots.

Leave the mixture to stand for about 5-10 minutes then mix again, at least 30 seconds, before using. The prepared mixture, mixed again immediately before using, has a shelf-life of about 1-2 hours (according to environmental conditions: temperature, ventilation, etc.).

### PREPARING SUBSTRATE

The substrate must be flat and solid and free from any 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.

### LAYING TILES

Apply **FORGRES 2000** with a toothed spatula/knife of suitable toothing for the tile size to be laid. Fit the tile with a good pressure to ensure the rear 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 these cases, 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 surface film; in this case it is enough to simply restore by another spatula/knife stroke.

When laying outdoor floors and walls, 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 in case of frost the tiles can break or/and come off).

**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.

## CONSUMPTION

3,5 kg/m<sup>2</sup> to 5 kg/m<sup>2</sup> depending on tile size and thickness.

## PACKAGING

FORGRES 2000 is packed in multi-layer polythene-lined paper bags.  
Bags of 25 kg. each. Pallets of 1500 kg. (60 bags each pallet)

## TECHNICAL DETAILS

### *according to General Quality Rules*

<b>APPEARANCE</b>	powder
<b>COLOUR</b>	white
<b>FLAMMABILITY</b>	no
<b>TOXICITY</b>	no
<b>STABILITY</b>	12 months in original packing and in dry environment
<b>MIXING RATIO</b>	abt. 6 - 6.5 litres of water each 25 kg. of powder
<b>MIXTURE DENSITY</b>	1.6 kg/L
<b>MIXTURE pH</b>	12
<b>MIXTURE SHELF-LIFE</b>	1-2 hours
<b>APPLICATION TEMPERATURE</b>	between 5°C and 35°C (41°F and 95°F)
<b>OPEN TIME</b> at 20°C (68°F) and 60% R.H.	≥30 minutes
<b>TILE ADJUSTMENT TIME</b>	15 minutes about after laying
<b>PEDESTRIAN TRAFFIC (on floor)</b>	24 hours after laying
<b>JOINT MAKING ON WALLS</b>	4 to 6 hours after laying tiles (depending on absorption)
<b>JOINT MAKING ON FLOORS</b>	24 hours after laying tiles

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