



UNI EN ISO 9001:2008  
Quality System Certified Company



According to European Standard  
EN 12004

TECHNICAL DATA SHEET  
PRODUCT  
**GENERALKOLL**  
**BONDERFLEX POOL**  
white

*Cement adhesive in powder special for  
laying ceramic tiles, grès porcelain tiles  
in swimming pools and outdoor*

## DESCRIPTION

**BONDERFLEX POOL** is a powder adhesive based on mixed binders and inert fillers of selected grain size (white quartzes), ideal for laying ceramic tiles and grès porcelain tiles in swimming pools and outdoor, **BONDERFLEX POOL** allows achieving thickness up to 8-10 mm.

## SPECIFICATION

Laying of ceramic tile, grès porcelain tiles with white cement based like **C2 T** (according to EN 12004 Rules) with high adhesion and vertical slip null kind **BONDERFLEX POOL**.

## FIELDS OF APPLICATION

Laying of ceramic tiles floors both inside and outside and in swimming pools

## 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 **BONDERFLEX POOL** with 7 - 7.5 litres of clean water, or LATEX 2000, possibly using a low-speed mixer, until to obtain a homogeneous mixture without clots.

Leave the mixture standing about 5 minutes about then, before using, mix again at least 30 seconds. 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 **BONDERFLEX POOL** with a suitable toothed spatula/knife 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". These cases occurring, 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 ("skin"); 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).



## CLEANING

Cleaning can be effected after 3 hours about after laying with a damp sponge.

## CONSUMPTION

3 kg/sq.m. to 5 kg/sq.m. depending on size and thickness of the tiles

## PACKAGING

**BONDERFLEX POOL** 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 <u>dry</u> environment |
| <b>MIXING RATIO</b>  | abt. 7 - 7.5 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 to 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.<br>(apply the tiles within) | 20 to 30 minutes  |
| <b>TILE ADJUSTMENT TIME</b>  | 15 minutes about  |
| <b>PEDESTRIAN TRAFFIC (on floor)</b>                                     | 24 hours after laying                                       |
| <b>JOINT FILLING ON WALLS</b>  | 4 to 6 hours after laying tiles (depending on absorption)   |
| <b>JOINT FILLING ON FLOORS</b>   | 24 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. Since the application of the product is beyond the control of the manufacturer or supplier, our liability for defective products, when verified, is limited to refund of the purchase price.

**A PRELIMINARY TEST IN A SMALL AREA IS RECOMMENDED BEFORE THE APPLICATION**

