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TECHNOS

Ultra-white powder adhesive
for fixing ceramic tiles.

**bonding agents
and adhesives**





31,5±1%



5-35°C



20 min



6-10 mm



6 h



6 mm

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MAIN FEATURES

- One-pack adhesive
- Optimum workability
- No creep

ASPECT

- Ultra-white powder

STORAGE

- 12 months in a dry place

FIELDS OF USE

- Fixing absorbent floor and wall tiles of small formats indoors. The tiles can be made of: cotto, twice-fired, single-fired ceramic.

SURFACES

Cement plaster, cement-lime mortar, gypsum-based plaster¹, anhydrite screeds¹, cement-based screeds, concrete.

¹ after application of PRIMER-T

NATURE OF THE PRODUCT

TECHNOS mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives.

Ask our technical department for the safety brief for further information or download the details from our website www.technokolla.com.

OPERATIONS PRIOR TO FIXING

Small localized hollows or gravel pockets in the case of concrete can be levelled (no more than 3 mm thick) with TECHNOS 24 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R before fixing the tiles.



RECOMMENDED ACCESSORIES



TKW 407
Blender 1200



TKW 411
TKW 412



TKW 462
Rubber mallet



TKW 111
Trowel 8x8 mm



TKW 121
Trowel 10x10 mm

HOW TO PREPARE THE MIXTURE

TECHNOS should be mixed with about 7.9 l of clean water per bag (31.5±1%) until a homogeneous, lump-free mixture is obtained. It is advisable to use a drill at low speed (approx. 500 rpm) as a high speed will reduce the mechanical characteristics of the product. Wait 5-10 minutes, then stir the product briefly again and start fixing the tiles. The product obtained is a creamy paste that can be easily applied with a trowel and that possesses at optimum thixotropy.

WARNINGS AND RECOMMENDATIONS

Do not apply:

- to concrete, plasterboard, old floors in ceramic tiles and wood, vinyl flooring, metal
- large formats
- outdoors
- at temperatures less than 5°C or more than 35°C
- in layers more than 6 mm thick
- on RASOLASTIK or RASOGUM

AMOUNT REQUIRED

| | | | |
|---------|---------------------|---------------------|---------------------|
| Trowel | 6x6 mm | 8x8 mm | 10x10 mm |
| Technos | 3 Kg/m ² | 4 Kg/m ² | 5 Kg/m ² |

The amounts refer to sole use of the trowel and to flat substrates.

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| TECHNICAL SPECIFICATIONS | VALUE | REQUISITE | STANDARD |
|---------------------------------------|-----------------------|--------------------------|----------|
| Curing time | 10 min | | |
| Pot life | *6 h | | |
| Open time | *20 min | °20 min | EN 1346 |
| Adjustability time | *Approx. 45 min | | |
| Can be subjected to traffic | *After 24 à 36 h | | |
| Floor tiles can be grouted | *After 24 à 36 h | | |
| Wall tiles can be grouted | *After 4 à 6 h | | |
| Surface can be used | *After 14 gg | | |
| Creep on a vertical wall | 0 mm | °≤ 0,5 mm | EN 1308 |
| Initial tensile bond | 1,0 N/mm ² | °≥ 0,5 N/mm ² | EN 1348 |
| Tensile bond after immersion in water | 0,7 N/mm ² | °≥ 0,5 N/mm ² | EN 1348 |
| Compressive strength | 7 N/mm ² | | EN 196 |

° according to standard EN 12004

* these times refer to a temperature of 23°C – 50% R.H.

They become shorter with higher temperatures and longer at lower temperatures.

SPECIFICATION

Ceramic floor and wall tiles must be fixed with a class “C1T cementitious powder adhesive according to standard EN 12004”, such as the TECHNOS type by TECHNOKOLLA, which can be applied in layers up to 6 mm thick on cementitious substrates.

Technokolla reminds you to examine the “**notes**” **document** that completes the information in this data sheet. The document can be downloaded in the pdf format.

The advice about technical matters and applications in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, are the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation to third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.