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04/11 118



TECHNOLA

White and grey powder
adhesive for fixing ceramic tiles.

bonding agents and adhesives

TECHNOKOLLA





28±1% grey
29±1% white



5-35°C



30 min



6-10 mm



6 h



6 mm

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MAIN FEATURES

- Optimum workability
- No vertical creep
- One-pack adhesive
- Frost proof
- Longer open time

APPEARANCE

White or grey powder

CONSERVATION

12 months in a dry place

FIELDS OF USE

- Fixing ceramic tiles of all types on indoor and outdoor walls and floors.
- Spot-gluing insulating panels made of polystyrene, polyurethane foam, rock or glass wool.
- For further applications, consult "Warnings and recommendations" use with latex.

SUBSTRATES

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

¹ after application of PRIMER-T

NATURE OF THE PRODUCT

TECHNOLA 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.

OPERATIONS PRIOR TO FIXING

Small localized hollows or gravel pockets in the case of concrete can be levelled (no more than 5 mm thick) with TECHNOLA 24 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R before fixing the tiles.

HOW TO PREPARE THE MIXTURE

Grey TECHNOLA must be mixed with about 7 l of clean water (28 ± 1%). White TECHNOLA should be mixed with about 7.3 l of clean water (29 ± 1%). Blend until a homogeneous, lump-free mixture is obtained. It is advisable to use a blender at low speed (approx. 500 rpm) as a high speed will

bonding agents and adhesives



Colle à carrelage
Adhesive for tiles
CERTIFIED **CSTB** CERTIFIED

TCA:

Tile Council of America,
Inc. 048-01



RECOMMENDED ACCESSORIES



TKW 407
Blender 1200



TKW 411
TKW 412



TKW 462
White rubber mallet



TKW 111
Trowel 8x8 mm



TKW 121
Trowel 10x10 mm

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 an optimum thixotropy.

WARNINGS AND RECOMMENDATIONS

It is always advisable to apply a double coat when laying tile formats measuring 900 cm² and over

Do not apply:

- to aerated or precast concrete, plasterboard, old ceramic floors, wood, vinyl flooring, metal
- on RASOLASTIK or RASOGUM
- for fixing on façades
- at temperatures less than 5°C or more than 35°C
- in coats more than 6 mm thick
- on porcelain stoneware in large formats

Use TECHNOLA with TC-LAX (about 6.75 l per 25 kg bag) class C2 T S1 in the following cases:

- fixing tiles on old floors, also outdoors
- fixing porcelain stoneware in large formats
- aerated concrete
- fixing on facades
- fixing natural stone and marble, so long as they are not affected by water or liable to stain
- fixing in industrial environments
- on electrically or water-heated screeds
- tile laying in swimming pools

Use TECHNOLA with TC-LASTIC (about 7 l per 25 kg bag) class C2 T S2 in the following cases:

- fixing porcelain stoneware in large formats both indoors and outdoors
- fixing on facades
- fixing natural stone and marble, so long as they are not affected by water or liable to stain
- on electrically or water-heated screeds
- fixing on RASOLASTIK and RASOGUM
- tile laying in swimming pools

AMOUNT REQUIRED

	6x6 mm	8x8 mm	10x10 mm
Trowel			
Technola	3 kg/m ²	4 kg/m ²	5 kg/m ²

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

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TECHNICAL SPECIFICATIONS	VALUE	REQUIREMENT	STANDARD
Curing time	10 min		
Pot life	*6 h		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx. 50 min		
Treadable	*After 24-36 h		
Floor tiles can be grouted	*After 24-36 h		
Wall tiles can be grouted	*After 4-6 h		
Surface can be used	*After 14 days		
Creep on a vertical wall	0 mm	°≤ 0.5 mm	EN 1308
Initial tensile bond	1.2 N/mm ²	°≥ 0.5 N/mm ²	EN 1348
Tensile bond after the action of heat	0.7 N/mm ²	°≥ 0.5 N/mm ²	EN 1348
Tensile bond after immersion in water	0.8 N/mm ²	°≥ 0.5 N/mm ²	EN 1348
Bond after freezing/thawing cycles	0.9 N/mm ²	°≥ 0.5 N/mm ²	EN 1348
Compressive strength	9 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 “C1 TE cement-based powder adhesive according to standard EN 12004”, such as the TECHNOLA type by TECHNOKOLLA, which can be applied in layers up to 6 mm thick on cement-based 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.