

technomax

03/11 119



TECHNOMAX

Medium-fast full-bed powder adhesive for fixing refined porcelain stoneware and ceramic tiles of large format on floors. Ideal for over-fixing and use on heating screeds. Optimum for levelling in layers up to 15 mm.

bonding agents and adhesives

TECHNOKOLLA®





23±1%



5-30°C



30 min



10-15 mm



60 min



6 mm



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MAIN FEATURES

- Self-wetting
- One-pack adhesive
- Optimum workability
- Frost proof
- Longer open time

ASPECT

Grey powder

STORAGE

12 months in a dry place

FIELDS OF USE

- Fixing ceramic floor tiles outdoors and indoors.
- Fixing natural stone and marble, so long as they are not affected by water.
- Suitable for use when high performances are required, such as: tile fixing in industrial environments, or fixing on top of old ceramic tiles or heating floors.
- Horizontal levelling that can be covered after 24/72 h. Layers up to 15 mm thick.
- Fixing on watery heating screeds.

SURFACES

Cement plasters, cement lime mortars, gypsum-based plasters¹, anhydrite screeds¹, concrete, aerated concrete, old ceramic floors, old PVC floors², old vinyl floors², plasterboard, Rasolastik range, Rasogum.

¹ after application of PRIMER-T
² after application of PRIMER-101

NATURE OF THE PRODUCT

TECHNOMAX 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 it from our web-site www.technokolla.com.

OPERATIONS PRIOR TO FIXING

If the surface must be levelled, TECHNOMAX can be used in layers up to 15 mm thick. The product can be spread with a straight stick during the levelling phase. The surfaces must be levelled at least 72 h prior to fixing. Use RASORAPID for layers more than 15 mm thick.

bonding agents and adhesives



Colle à carrelage
Adhesive for tiles
CERTIFIÉ CSTB CERTIFIED



RECOMMENDED ACCESSORIES



TKW 407
Blender 1200



TKW 411
TKW 412



TKW 462
Rubber mallet



TKW 121
Trowel 10x10 mm



TKW 181
Round trowel Ø15 mm

HOW TO PREPARE THE MIXTURE

TECHNOMAX should be mixed with about 5.75 l of clean water per bag (23.5±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 about 5 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.

The tiles need not be spread twice with adhesive when this product is used, even when they are of a large format. To get the most out of this characteristic, the substrate must be perfectly flat. Once the tile has been placed on the bed of adhesive, it should be pressed down with the sole movement of the hand.

WARNINGS AND RECOMMENDATIONS

Do not apply on:

- wood and metal
- old ceramic floors outdoor
- on vertical surfaces
- at temperatures less than 5°C or more than 30°C
- in layers more than 6 mm thick

AMOUNT REQUIRED

Trowel	10x10 mm	Ø15 mm
Technomax	5,5 Kg/m ²	7 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	5 min		
Pot life	*60 min		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx 40 min		
Can be subjected to traffic	*After 12-24 h		
Floor tiles can be grouted	*After 12-24 h		
Surface can be used	*After 72 h		
Initial tensile bond	2,1 N/mm ²	°1 N/mm ²	EN 1348
Tensile bond after the action of heat	1,8 N/mm ²	°1 N/mm ²	EN 1348
Tensile bond after immersion in water	1,2 N/mm ²	°1 N/mm ²	EN 1348
Bond after freezing/thawing cycles	1,3 N/mm ²	°1 N/mm ²	EN 1348
Compressive strength	22 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 tiles must be fixed with a class “C2E full-bed cementitious powder adhesive according to standard EN 12004”, such as the TECHNOMAX type by TECHNOKOLLA.

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.

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