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TECHNORAP

Quick setting powder adhesive with a high polymeric content for fixing ceramic tiles.

Suitable for refined porcelain stoneware, over-fixing and on heating screeds.

bonding agents and adhesives

TECHNOKOLLA





24±1%



20 min



5-30°C



30 min



6-10 mm



8 mm



≤ 1100 cm²
≤ 900 cm²
in case of
electric coils
floorings



≤ 1100 cm²



≤ 3600 cm²



≤ 1100 cm²



≤ 1100 cm²



≤ 3600 cm² int.
≤ 900 cm² ext.

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MAIN FEATURES

- Rapid
- One-pack adhesive
- Optimum workability
- Frost proof
- No vertical creep

ASPECT

- Grey powder

STORAGE

- 6 months in a dry place

FIELDS OF USE

- For quick-fixing absorbent floor and wall tiles outdoors and indoors. The tiles can be made of: cotto, twice-fired, single-fired ceramic.
- For quick-fixing poorly absorbent or non-absorbent materials such as: single-fired tiles, split tiles and refined porcelain stoneware.
- Suitable for use when high performances are required within a short time, such as: tile fixing in industrial environments, in swimming pools, on façades, for fixing on top of old ceramic tiles indoors.
- Fixing natural stone and marble, so long as they are not affected by water.
- Fixing on heating floors
- Spot-gluing and levelling insulating panels made of polystyrene, polyurethane foam, rock or glass wool and cork, with fiberglass netting buried in the layer.

SURFACES

Cement plaster, cement-lime mortar, cementitious screeds, concrete, old ceramic floors, plasterboard, RASOLASTIK and RASOGUM.

NATURE OF THE PRODUCT

TECHNORAP 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.

HOW TO PREPARE THE MIXTURE

TECHNORAP should be mixed with about 6 l of clean water per bag (24.5±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 3-5 minutes, then stir the product briefly again and start fixing the tiles.

bonding agents and adhesives

CERTIFICATIONS

= CSTB

CONFORMITY



RECOMMENDED ACCESSORIES



TKW 407
Blender 1200



TKW 411
TKW 412



TKW 462
Rubber mallet



TKW 111
Trowel 8x8 mm



TKW 121
Trowel 10x10 mm

The product obtained is a creamy paste that can be easily applied with a trowel and that possesses at optimum thixotropy.

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WARNINGS AND RECOMMENDATIONS

Use TECHNORAP with TC-LASTIC (about 6.5 l per 25 kg bag) in the following cases, class C2 FT S2:

- with refined porcelain stoneware in $\leq 3600 \text{ cm}^2$ outdoors
- in swimming pools with tiles measuring $\leq 2000 \text{ cm}^2$
- on façades with tiles measuring $\leq 2100 \text{ cm}^2$
- on heated floors of any type $\leq 3600 \text{ cm}^2$
- In case of laying of ceramic tiles or natural stones, not sensible to humidity, with sizes $\leq 2000 \text{ cm}^2$ on plasterboard, the application of PRIMER-T is not necessary but suggestable

Do not apply straight on to:

- plaster, anhydrite screeds (apply PRIMER-T at least 6 h prior to fixing)
- to wood and vinyl floors (apply PRIMER-101 prior to fixing)

Do not apply:

- metal, old tiles outdoors.
- at temperatures less than 5°C or more than 30°C
- in layers more than 8 mm thick
- on heating floors with tiles measuring more than 1100 cm^2
- in industrial environments with tiles measuring more than 1100 cm^2
- refined porcelain stoneware tiles measuring more than 2000 cm^2 outdoors
- in swimming pools with tiles measuring more than 1100 cm^2
- on façades with tiles measuring more than 1100 cm^2
- to RASOLASTIK o RASOGUM with tiles measuring $> 900 \text{ cm}^2$ (using TECHNORAP)
- with TC-LASTIC or TECHNOLA with TC-LASTIC or TECHNORAP-2)
- on plasterboard with formats exceeding 2000 cm^2
- on electrically heated floors with $> 900 \text{ cm}^2$ formats

AMOUNT REQUIRED

Trowel	6x6 mm	8x8 mm	10x10 mm
Technorap	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	3 min		
Pot life	*30 min		
Open time	*20 min	°10 min	EN 1346
Adjustability time	*Approx. 20 min		
Can be subjected to traffic	*After 4-6 h		
Floor tiles can be grouted	*After 4-6 h		
Wall tiles can be grouted	*After 2 h		
Surface can be used	*After 48 h (72 h tanks and swimming pools)		
Creep on a vertical wall	0 mm	°≤ 0,5 mm	EN 1308
Bond after 24 h	0,9 N/mm ²	°> 0,5 N/mm ²	EN 1348
Initial tensile bond	1,7 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	12 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 “C2FT cementitious powder adhesive according to standard EN 12004”, such as the TECHNORAP type by TECHNOKOLLA, which can be applied in layers up to 8 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.

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