

# technorap

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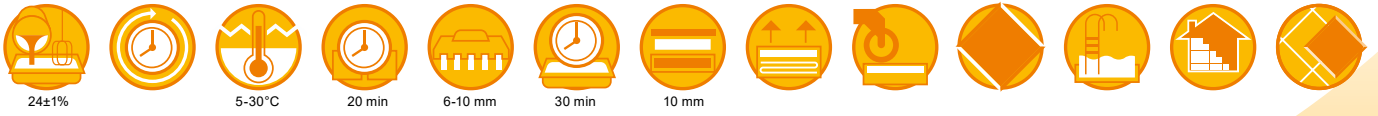
## **TECHNORAP**

Quick setting powder adhesive with high polymeric content for fixing ceramic tiles. Suitable for porcelain stoneware, over-tiling and on heating screeds.

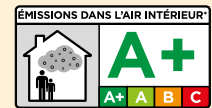
## **bonding agents and adhesives**



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## MAIN FEATURES

- Quick-setting
- Monocomponent
- Layers up to 10 mm thick
- Frost proof
- No vertical creep

## APPEARANCE

Grey powder

## STORAGE

6 months in dry place

## FIELDS OF USE

- Quick fixing ceramic tiles of all types, even large sizes, on indoor and outdoor walls and floors.
- Over-tiling on top of old ceramic tiles without the use of primer.
- Suitable for use when high performance is required within a short time, such as: tile laying in industrial environments, swimming pools or facades.
- Fixing natural stone and marble, so long as they are not affected by water.
- Fixing on water heating screeds.
- Spot-glueing and leveling insulating panels made of polystyrene, polyurethane foam, rock or glass wool and cork, with fiberglass netting buried in the layer.

## SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster<sup>1</sup>, anhydrite screeds<sup>1</sup>, cement-based screeds, concrete, aerated concrete, old ceramic floors, resilient floors perfectly adherent (excluding polyolefin coatings)<sup>2</sup>, plasterboard, RASOLASTIK range and RASOGUM +.

<sup>1</sup> after application of PRIMER-T PLUS

<sup>2</sup> after application of PRIMER-101 PLUS

## NATURE OF THE PRODUCT

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

For further details, ask the technical office for the safety brief or download it from the web site [www.technokolla.com](http://www.technokolla.com).

## OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in the case of concrete can be leveled (not more than 5 mm thick) with TECHNORAP 4-6 h prior to fixing. If thicker layers are required, use GAP 24-48 h before fixing the tiles.

## bonding agents and adhesives



## RECOMMENDED ACCESSORIES



**437145**

Blender 1200



**437148**



**437204**

White rubber mallet



**437189**

28x12 cm trowel stainless steel  
8 mm square serrations



**437200**

28x12 cm trowel stainless steel  
10 mm square serrations

### HOW TO PREPARE THE MIXTURE

Blend TECHNORAP with approximately 6 l of clean water per bag (24±1%) until mixture is homogeneous and lump-free. It is advisable to use blender at low speed (approx. 500 rpm) as very high speed will reduce the mechanical characteristics of the product. Wait 3-5 minutes, then stir the product briefly again before applying. The creamy paste obtained can be easily applied by trowel and possesses optimum thixotropy.

### WARNINGS AND RECOMMENDATIONS

It is always advisable to apply two coats when laying tile sizes measuring 900 cm<sup>2</sup> or larger.

#### Do not apply to:

- wood, metal
- old tiles outdoors

#### Do not use:

- at temperatures less than 5°C or more than 30°C
- in coats more than 10 mm thick

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

- on old ceramic floors outdoors
- on facades with tiles measuring > 2100 cm<sup>2</sup>
- electrically-heated floors

### CONSUMPTION

Trowel	6x6 mm	8x8 mm	10x10 mm
Technorap	3 kg/m <sup>2</sup>	4 kg/m <sup>2</sup>	5 kg/m <sup>2</sup>

Consumption data refer to sole use of a trowel on flat substrates.

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TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Curing time	3 min		
Pot life	*30 min		
Open time	*10 min	°10 min	EN 1346
Treadable	*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 vertical wall	≤ 0.5 mm	°≤ 0.5 mm	EN 1308
Bond after 6 h	0.9 N/mm <sup>2</sup>	°> 0.5 N/mm <sup>2</sup>	EN 1348
Initial tensile strength	1.7 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile strength after the action of heat	1.2 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile strength after immersion in water	1.3 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Bond after freezing/thawing cycles	1.1 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348

° according to standard "EN 12004"

\* time intervals refer to a temperature of 23°C-50% R.H.. They become shorter with higher temperatures and longer at lower temperatures.

## FRENCH VOC LABEL

Emission class

r.p. No. Eurofins

Classe A+

392-2022-00170312\_E\_EN

## SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C2FT cement-based powder adhesive according to standard EN 12004", such as TECHNOKOLLA's TECHNORAP, which can be applied in layers up to 10 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 from the website [www.technokolla.com](http://www.technokolla.com).

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