

# technola

12/13 118



## 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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LOW-VOC  
product

TESTED BY  
EUROFINS

## MAIN FEATURES

Optimum workability  
No vertical creep  
Monocomponent  
Frost proof  
Extended open time

## APPEARANCE

White or grey powder

## STORAGE

12 months in dry place

## FIELDS OF USE

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

## SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster<sup>1</sup>, anhydrite screeds<sup>1</sup>, cement-based screeds, concrete.

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

## NATURE OF THE PRODUCT

TECHNOLA 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).

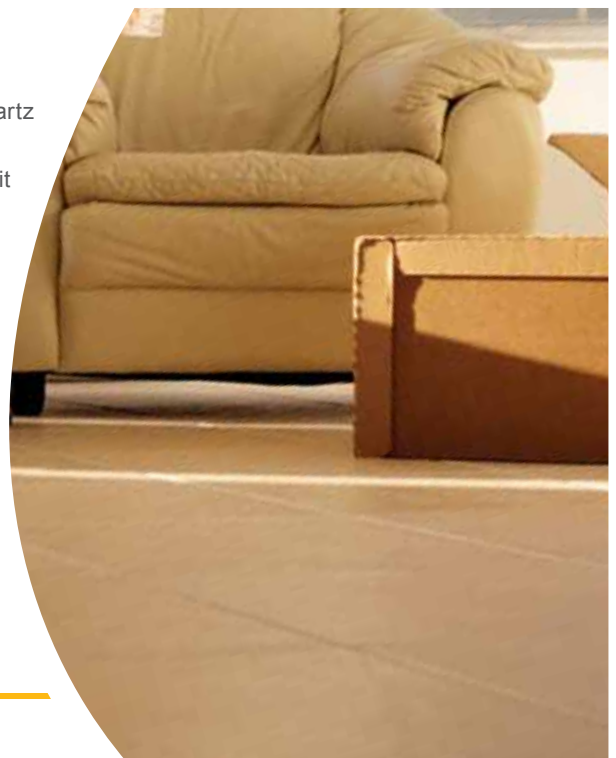
## OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in concrete can be leveled (thickness not more than 5 mm) with TECHNOLA 24 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R before fixing tiles.

## HOW TO PREPARE THE MIXTURE

Blend grey TECHNOLA with approximately 7 l of clean water (28±1%).  
Blend white TECHNOLA with approximately 7.3 l of clean water (29±1%).  
Blend until mixture is homogeneous and lump-free. It is advisable to use blender at low speed (approx. 500 rpm) as high speed will reduce the me-

## bonding agents and adhesives



## RECOMMENDED ACCESSORIES



**437145**  
Blender 1200



**437181**  
**437183**



**437204**  
White rubber mallet



**437189**  
8x8 mm trowel



**437200**  
10x10 mm trowel

chanical characteristics of the product. Wait 5-10 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:

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

#### 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 sizes
- 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
- fixing on products from the RASOLASTIK range or RASOGUM
- on electrically or water-heated screeds
- tile laying in swimming pools

### CONSUMPTION

	6x6 mm	8x8 mm	10x10 mm
Trowel			
Technola	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	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 vertical wall	≤ 0.5 mm	° ≤ 0.5 mm	EN 1308
	<b>GREY</b>	<b>WHITE</b>	
Initial tensile strength	1.5 N/mm <sup>2</sup>	1.3 N/mm <sup>2</sup>	° ≥ 0.5 N/mm <sup>2</sup> EN 1348
Tensile strength after the action of heat	0.5 N/mm <sup>2</sup>	0.6 N/mm <sup>2</sup>	° ≥ 0.5 N/mm <sup>2</sup> EN 1348
Tensile strength after immersion in water	1.0 N/mm <sup>2</sup>	0.7 N/mm <sup>2</sup>	° ≥ 0.5 N/mm <sup>2</sup> EN 1348
Bond after freezing/thawing cycles	1.1 N/mm <sup>2</sup>	0.7 N/mm <sup>2</sup>	° ≥ 0.5 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.

## EMICODE

Emission class	r.p. No. Eurofins
EC1 Plus	392-2013-00019001

## SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C1 TE cement-based powder adhesive according to standard EN 12004, such as TECHNOKOLLA's TECHNOLA, 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 from the website [www.technokolla.com](http://www.technokolla.com).

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