



**technoflex**

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**TECHNOFLEX**

Mixed binder powder adhesive for fixing ceramic tiles of all types on floors and walls, both indoors and outdoors.

**bonding agents  
and adhesives**

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**TECHNOKOLLA®**





24±1% grey  
24±1% white



5-35°C



30 min



6-10 mm



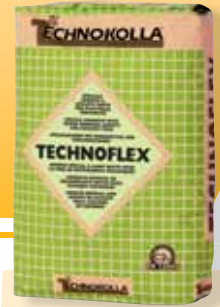
> 6 h



8 mm



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LOW-VOC  
product

TESTED BY  
EUROFINS

## MAIN FEATURES

Monocomponent  
No vertical creep  
Optimum workability  
Extended open time  
Frost proof

## APPEARANCE

White and grey powder

## STORAGE

12 months in dry place

## FIELDS OF USE

- Fixing natural stone, not affected by humidity, on outdoor and indoor floors and walls.
- Ceramic tiles of all types, such as: cotto, twice-fired, single-fired tiles, split tiles and porcelain stoneware.
- Suitable for: over-tiling on top of old ceramic tiles (size  $\leq 900 \text{ cm}^2$  indoors. First apply PRIMER-101 if the tiles are larger).
- Fixing natural stone and marble, so long as they are not affected by water.
- Spot-glueing insulating panels made of polystyrene, polyurethane foam, rock or glass wool.
- Fixing on heating screeds (size  $\leq 900 \text{ cm}^2$ ).

## SUBSTRATES

Cement-based plaster, cement-lime mortar, cement-based screeds, concrete, old ceramic floors.

## NATURE OF THE PRODUCT

TECHNOFLEX 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 TECHNOFLEX 24 h prior to fixing. If thicker layers are required, use RASO or RASORAPID respectively 24 h and 6 h before fixing the tiles.

**bonding agents and adhesives**



## HOW TO PREPARE THE MIXTURE

Blend grey and white TECHNOFLEX with approximately 6 l. of clean water ( $24 \pm 1\%$ ). Blend 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 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

### Do not apply directly onto:

- plaster, anhydrite screeds (apply PRIMER-T at least 6 h prior to fixing).

### Do not use:

- in layers more than 8 mm thick.
- on porcelain stoneware tiles larger than 900 cm<sup>2</sup> outdoors.
- on facades with tiles larger than 400 cm<sup>2</sup>

### Do not apply to:

- aerated or precast concrete
- wood, metal, vinyl floors
- RASOLASTIK, RASOGUM
- old ceramic floors or non-absorbent outdoor substrates
- heating floors with tiles larger than 900 cm<sup>2</sup>
- electrically-heated floors
- plasterboard in sizes larger than 900 cm<sup>2</sup>

## CONSUMPTION

Trowel	6x6 mm	8x8 mm	10x10 mm
Technoflex	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		
Adjustability time	*Approx. 50 min		
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	1.8 N/mm <sup>2</sup>	2.0 N/mm <sup>2</sup>	° ≥ 1 N/mm <sup>2</sup> EN 1348
Tensile strength after the action of heat	2.1 N/mm <sup>2</sup>	1.6 N/mm <sup>2</sup>	° ≥ 1 N/mm <sup>2</sup> EN 1348
Tensile strength after immersion in water	1.6 N/mm <sup>2</sup>	1.4 N/mm <sup>2</sup>	° ≥ 1 N/mm <sup>2</sup> EN 1348
Bond after freezing/thawing cycles	1.3 N/mm <sup>2</sup>	1.5 N/mm <sup>2</sup>	° ≥ 1 N/mm <sup>2</sup> EN 1348

° according to standard "EN 12004"

\* these 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	392-2013-00017003

## SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C2TE cement-based powder adhesive according to standard EN 12004", such as TECHNOKOLLA's TECHNOFLEX, which can be applied in layers up to 8 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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## Sika Italia S.p.A.

Registered Office and Administrative Headquarters: Via L. Einaudi 6, 20068 Peschiera Borromeo (MI)

Sassuolo Plant (MO): Via Radici in Piano 558, Postal Code 41049

Tel: +39 0536 809711 Fax: +39 0536 809729 [www.technokolla.com](http://www.technokolla.com)