

# techno-xl

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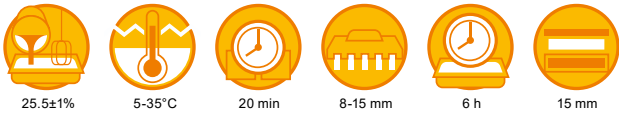
## TECHNO-XL

Powder adhesive to be applied in thick layers for fixing extruded cotto and ceramic tiles.

## bonding agents and adhesives

 **TECHNOKOLLA®**

A SIKA BRAND



# techno-xl



## MAIN FEATURES

- Monocomponent
- Frost proof
- Layers up to 15 mm thick
- Optimum workability
- No creep

## APPEARANCE

White powder

## STORAGE

12 months in dry place

## FIELDS OF USE

- Indoor and outdoor fixing ceramic floor and wall tiles, such as: cotto, twice-fired, single-fired ceramic, split tiles and porcelain stoneware in small sizes.
- Spot-glueing of insulating materials such as: polystyrene foam, mineral or glass wool, pressed wood fiber panels.
- 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 PLUS

## NATURE OF THE PRODUCT

TECHNO-XL 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 TECHNO-XL 24 h prior to fixing. If thicker layers are required, use GAP or before fixing tiles.

## HOW TO PREPARE THE MIXTURE

Blend TECHNO-XL with approximately 6.5 l of clean water (25,5±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 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.

## bonding agents and adhesives



## RECOMMENDED ACCESSORIES



Blender



White rubber mallet



Trowel stainless steel 8 mm square serrations



Trowel stainless steel 10 mm square serrations



Trowel stainless steel Ø 15 mm rounded serrations

### 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 use:

- on aerated or precast concrete, plasterboard, old ceramic floors, wood, vinyl flooring, metal,
- for fixing on products from the RASOLASTIK range or on RASOGUM +
- for fixing on facades
- at temperatures less than 5°C or more than 35°C
- in coats more than 15 mm thick
- on porcelain stoneware in large sizes

#### Use TECHNO-XL 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 TECHNO-XL with TC-LASTIC (about 7 l per 25 kg bag) class C2 T S2, in the following cases:

- fixing porcelain stoneware in large sizes, 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 on RASOGUM +
- on electrically or water-heated screeds
- tile laying in swimming pools

### CONSUMPTION

Trowel	8x8 mm	10x10 mm	Ø15 mm
Techno-xl	4 kg/m <sup>2</sup>	5 kg/m <sup>2</sup>	7 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	*20 min	°20 min	EN 1346
Adjustability time	*Approx. 45 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
Initial tensile strength	~ 1.0 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>	°≥ 0.5 N/mm <sup>2</sup>	EN 1348
Tensile strength after immersion in water	~ 1.0 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>	°≥ 0.5 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.

## SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C1T cement-based powder adhesive according to standard 12004", such as TECHNOKOLLA's TECHNO-XL, which can be applied in layers up to 15 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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