

# technomos

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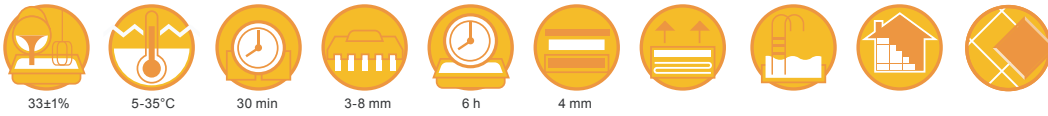
## TECHNOMOS

Ultra-white self-grouting powder adhesive, particularly suitable for fixing vitreous mosaic.

## bonding agents and adhesives

**TECHNOKOLLA**





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## MAIN FEATURES

- Self-grouting
- One-pack adhesive
- Optimum workability
- Frost proof
- Longer open time

## ASPECT

- Ultra-white powder

## STORAGE

- 12 months in a dry place

## FIELDS OF USE

- Fixing vitreous mosaic outdoors and indoors in swimming pools, on walls and floors.  
To fix vitreous mosaic on net backing in swimming pools, dilute TC-LAX with water in a 1:1 ratio. Blend TECHNOMOS with the mixture obtained. The resulting product provides an extremely tenacious bond and is highly flexible while maintaining the creamy consistency obtained when only water is used for mixing.
- Fixing in interior, exterior, on wall and floor of ceramic tiles of every type.
- Suitable for use when high performances are required, such as: on top of old ceramic tiles indoors, in swimming pools or on façades.
- Laying on watery heating screeds.

## SURFACES

Cement plasters, cement lime mortars, gypsum-based plasters<sup>1</sup>, anhydrite screeds<sup>1</sup>, concrete, aerated concrete, old ceramic floors, old PVC floors<sup>2</sup>, old vinyl floors<sup>2</sup>, plasterboard, Rasolastik range, Rasogum.

<sup>1</sup> after application of PRIMER-T  
<sup>2</sup> after application of PRIMER-101

## NATURE OF THE PRODUCT

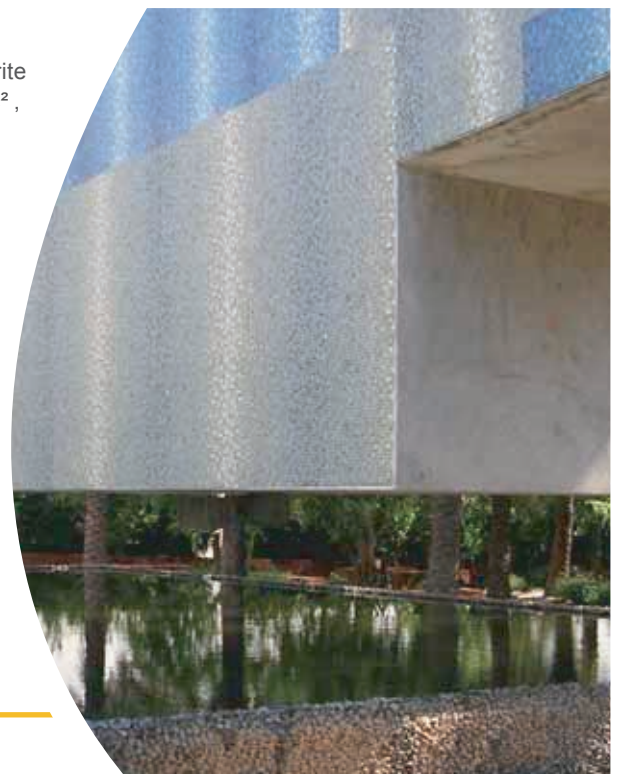
TECHNOMOS mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives.

Ask our technical department for the safety brief for further information or download it from our web-site [www.technokolla.com](http://www.technokolla.com).

## OPERATIONS PRIOR TO FIXING

Small localized hollows or gravel pockets in the case of concrete can be levelled (no more than 3 mm thick) with TECHNOMOS 24 h prior to fixing. If thicker layers are required, use RASO or GAP-R respectively 24 h and 6 h before fixing the tiles.

## bonding agents and adhesives



## RECOMMENDED ACCESSORIES



**TKW 407**  
Blender 1200



**TKW 411**  
**TKW 412**



**TKW 462**  
Rubber mallet



**TKW 101**  
Trowel 3x3 mm



**TKW 111**  
Trowel 8x8 mm

### HOW TO PREPARE THE MIXTURE

TECHNOMOS should be mixed with about 8.25 l of clean water per bag (33±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 5-10 minutes, then stir the product briefly again and start fixing the tiles. The product obtained is a creamy paste that can be easily applied with a trowel and that possesses an optimum thixotropy.

### WARNINGS AND RECOMMENDATIONS

it is always advisable to lay in double spread with formats  $\geq 900 \text{ cm}^2$

#### Do not apply:

- to wood, metal
- as a filler in swimming pools (use EPOSTUK or, alternatively, TECHNOSTUK G.F. or TECNOCOLORS mixed with TC-STUK)
- at temperatures less than 5°C or more than 35°C
- in layers more than 4 mm thick
- old ceramic tiles in exterior

### AMOUNT REQUIRED

Trowel	3x3 mm	6x6 mm	8x8 mm
Technomos	2 Kg/m <sup>2</sup>	3 Kg/m <sup>2</sup>	4 Kg/m <sup>2</sup>

The amounts refer to sole use of the trowel and to flat substrates.

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TECHNICAL SPECIFICATIONS	VALUE	REQUISITE	STANDARD
Curing time	10 min		
Pot life	*6 h		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx. 45 min		
Can be subjected to traffic	*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 (21 days tanks and swimming pools)		
Creep on a vertical wall	0 mm	°≤ 0,5 mm	EN 1308
Initial tensile bond	1,8 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile bond after the action of heat	1,5 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile bond after immersion in water	1,2 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 N/mm <sup>2</sup>	EN 1348
Compressive strength	13 N/mm <sup>2</sup>		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

Vitreous mosaic floor and wall tiles must be fixed with a class “C2TE cementitious powder adhesive according to standard EN 12004”, such as the TECHNOMOS type by TECHNOKOLLA, which can be applied in layers up to 4 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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