

technostone

03/11 125



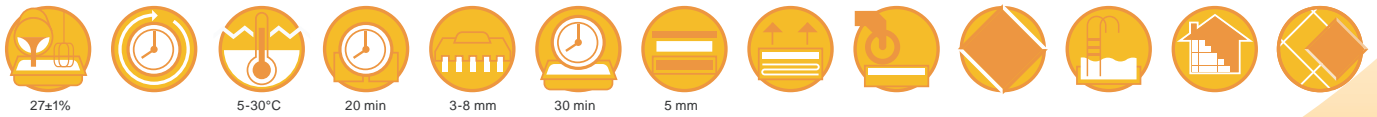
TECHNOSTONE

Quickly wetting ultra-white powder adhesive particularly suitable for fixing natural stone that tends to stain, or vitreous mosaic. Optimum for over-fixing.

bonding agents and adhesives

TECHNOKOLLA®





technostone



MAIN FEATURES

- Rapid
- One-pack adhesive
- Highly deformable
- Frost proof
- No vertical slippage

ASPECT

Ultra-white powder

STORAGE

6 months in a dry place

FIELDS OF USE

- Fixing natural stone and marble that tend to stain. Suitable for fixing composite marble indoors.*
- Laying in exterior, interior, on wall and floor of every kind of ceramic tiles.
- For fixing ceramic or vitreous mosaic.
- Suitable for use when high performances are required and the surfaces must be subjected to traffic within a short time, such as: tile fixing in industrial environments, or fixing on top of old ceramic tiles, in swimming pools or on façades.

* Composite materials up to 33x33 in size can only be fixed indoors

SURFACES

Cement plasters, cement lime mortars, gypsum-based plasters¹, anhydrite screeds¹, concrete, aerated concrete, old ceramic floors, old PVC floors², old vinyl floors², plasterboard, Rasolastik range, Rasogum.

¹ after application of PRIMER-T
² after application of PRIMER-101

NATURE OF THE PRODUCT

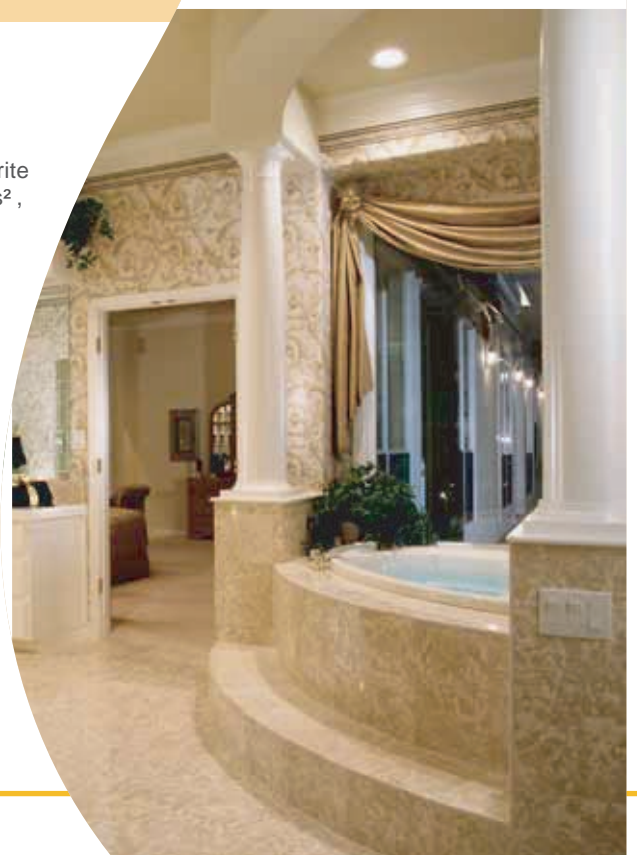
TECHNOSTONE mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives.

Ask our technical department for the safety brief for further information or download it from our web-site www.technokolla.com.

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 TECHNOSTONE 4-6 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R 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 121
Trowel 10x10 mm

HOW TO PREPARE THE MIXTURE

TECHNOSTONE should be mixed with about 6.75 l of clean water per bag (27±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 3-5 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 at 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 metal, old tiles outdoors.
- at temperatures less than 5°C or more than 30°C
- in layers more than 5 mm thick.

AMOUNT REQUIRED

| | | | |
|-------------|---------------------|---------------------|---------------------|
| Trowel | 3x3 mm | 6x6 mm | 8x8 mm |
| Technostone | 2 Kg/m ² | 3 Kg/m ² | 4 Kg/m ² |

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

technostone

| TECHNICAL SPECIFICATIONS | VALUE | REQUISITE | STANDARD |
|---------------------------------------|---|--------------------------|----------|
| Curing time | 3 min | | |
| Pot life | *30 min | | |
| Open time | *20 min | °10 min | EN 1346 |
| Adjustability time | *Approx. 20 min | | |
| Can be subjected to traffic | *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 a vertical wall | 0 mm | °≤ 0,5 mm | EN 1308 |
| Bond after 24 h | 0,8 N/mm ² | °> 0,5 N/mm ² | EN 1348 |
| Initial tensile bond | 1,6 N/mm ² | °≥ 1 N/mm ² | EN 1348 |
| Tensile bond after the action of heat | 1,7 N/mm ² | °≥ 1 N/mm ² | EN 1348 |
| Tensile bond after immersion in water | 1,1 N/mm ² | °≥ 1 N/mm ² | EN 1348 |
| Bond after freezing/thawing cycles | 1,2 N/mm ² | °≥ 1 N/mm ² | EN 1348 |
| Transversal warping | 2,7 mm | ≥ 2,5 mm | EN 12002 |
| Compressive strength | 12 N/mm ² | | 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

Ceramic floor and wall tiles must be fixed with a class "C2FT cementitious powder adhesive according to standard EN 12004 and S1 according to EN12002", such as the TECHNOSTONE type by TECHNOKOLLA, which can be applied in layers up to 5 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.

The advice about technical matters and applications in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, are the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation to third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.



Technokolla S.p.A.

Via Radici in Piano, 558
41049 Sassuolo (MO) • Italy

Tel. +39 0536 862269
Fax +39 0536 862660

www.technokolla.com
info@technokolla.com