

technostar

02/11 178



TECHNOSTAR

Highly-deformable, one-pack powder adhesive.

Particularly suitable for refined porcelain stoneware and large-sized natural stones.

Use on heating surfaces, façades, industrial floors and swimming pools.

Thickness up to 15 mm.

bonding agents and adhesives

TECHNOKOLLA®





29±1%



5-35°C



30 min



6-10 mm



6 h



15 mm



technostar



MAIN FEATURES

- One-pack adhesive
- Optimum workability
- Thick-laying
- Frost proof
- No vertical slipping
- Highly deformable
- Thicknesses up to 15 mm

ASPECT

White or grey powder

STORAGE

12 months in a dry place

FIELDS OF USE

- Laying in exterior, interior, on wall and floor of ceramic tiles of every type, also of large format.
- Suitable for use when high performances are required, such as: tile fixing in industrial environments, in swimming pools or on façades.
- Fixing on heating floors.
- Spot-gluing insulating panels made of polystyrene, polyurethane foam, rock or glass wool.
- Fixing natural stone and marble, so long as they are not affected by water.
- Laying on old ceramic tiles without the use of any primer.
- Suitable for grés porcelain tiles of slim thickness.

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

TECHNOSTAR 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 5 mm thick) with TECHNOSTAR 24 h prior to fixing. If thicker layers are required, use RASO, GAP or RASORAP before fixing the tiles.

bonding agents and adhesives



RECOMMENDED ACCESSORIES



TKW 407
Blender 1200



TKW 411
TKW 412



TKW 462
Rubber mallet



TKW 121
Trowel 10x10 mm



TKW 181
Round trowel Ø 15 mm

HOW TO PREPARE THE MIXTURE

TECHNOSTAR must be mixed with about 7.0 l of clean water ($29 \pm 1\%$).

Blend 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 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
- on old ceramic outdoors
- at temperatures less than 5°C or more than 35°C

AMOUNT REQUIRED

Trowel	8x8 mm	10x10 mm	Ø 15 mm
Technostar	4 Kg/m ²	5 Kg/m ²	7 Kg/m ²

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

technostar

TECHNICAL SPECIFICATIONS	VALUE	REQUISITE	STANDARD
Curing time	10 min		
Pot life	*6 h		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx. 50 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	2,0 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile bond after the action of heat	1,8 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile bond after immersion in water	1,3 N/mm ²	°≥ 1 N/mm ²	EN 1348
Bond after freezing/thawing cycles	1,4 N/mm ²	°≥ 1 N/mm ²	EN 1348
Transversal warping	3 mm	≥ 2,5 mm	EN 12002
Compressive strength	14 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 “C2TE cementitious powder adhesive according to standard EN 12004 and S1 according to EN12002”, such as the TECHNOSTAR type by TECHNOKOLLA, which can be applied in layers up to 15 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 from our web site www.technokolla.com.

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