

technomax S1

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TECHNOMAX S1

Medium-fast setting, full-bed deformable fluid adhesive applied in a single coat for laying large ceramic floor tiles. Ideal for over-tiling and use on heating screeds. Excellent as skimming coat in layers up to 15 mm thick.

**bonding agents
and adhesives**

TECHNOKOLLA®





24±1%



5-30°C



30 min



10-15 mm



60 min



6 mm



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MAIN FEATURES

- Fluid adhesive
- Medium-fast setting
- For laying large tile sizes
- One-coat application
- Extended open time

APPEARANCE

Grey powder

STORAGE

12 months in dry place

FIELDS OF USE

- Fixing ceramic floor tiles of all types, even in large sizes, indoors and outdoors.
- Fixing natural stone and marble, so long as they are not affected by water.
- Over-tiling on top of old ceramic tiles without use of primer.
- Suitable for fixing thin porcelain stoneware slabs.
- Fixing on electric or water heating screeds.
- Suitable for use when high performance is required, such as tile laying in industrial environments.
- Leveling horizontal surfaces, which can be covered after 24-72 h, in layers up to 15 mm thick.

SUBSTRATES

Cement-based screeds, anhydrite screeds¹, concrete, aerated concrete, old ceramic floors, RASOLASTIK range and RASOGUM, old linoleum floors², PVC² or vinyl², wooden floors and panels².

¹ after application of PRIMER-T

² after application of PRIMER-101

NATURE OF THE PRODUCT

TECHNOMAX S1 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.

OPERATIONS PRIOR TO APPLICATION

If the surface must be leveled, TECHNOMAX S1 can be used in layers up to 15 mm thick. The product can be spread with a straight stick when used for leveling. Surfaces must be leveled at least 24-72 h prior to fixing, depending on thickness obtained.

Use RASORAPID skimming plaster for layers more than 15 mm thick.

bonding agents and adhesives



RECOMMENDED ACCESSORIES



437145
Blender 1200



437148



437204
White rubber mallet



437200
28x12 cm trowel stainless steel
10 mm square serrations



437201
28x12 cm trowel stainless steel
15 mm rounded serrations

HOW TO PREPARE THE MIXTURE

Blend TECHNOMAX S1 with approximately 6 l of clean water per bag (24±1%) 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 about 5 minutes, then stir the product briefly again and start laying the tiles. The creamy, fluid paste obtained can be easily applied by trowel and possesses optimum thixotropy. The tiles need not be coated twice with this adhesive, even when large tile sizes are used.

To use this characteristic to the best advantage, the substrate must be perfectly flat. Once the tile has been placed on the bed of adhesive, it should be pressed down solely by hand.

WARNINGS AND RECOMMENDATIONS

Do not apply to:

- metal
- old tiles outdoors

Do not use:

- on vertical surfaces
- at temperatures less than 5°C or more than 30°C
- in coats more than 6 mm thick

CONSUMPTION

Trowel	10x10 mm	Ø15 mm
Technomax S1	5.5 kg/m ²	7 kg/m ²

Consumption data refer to sole use of a trowel on flat substrates.

technomax S1

TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Curing time	5 min		
Pot life	*60 min		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx. 40 min		
Treadable	*After 12-24 h		
Floor tiles can be grouted	*After 12-24 h		
Surface can be used	*After 72 h		
Initial tensile strength	2.4 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile strength after the action of heat	1.9 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile strength 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
Transverse deformation	2.6 mm	≥ 2.5 mm	EN12002

° according to standard "EN 12004"

* 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 tiles must be fixed with class "C2E S1 full-bed cement-based powder adhesive according to standard EN 12004", such as TECHNOKOLLA's TECHNOMAX S1.

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.

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