

techno s-one
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TECHNO S-ONE

Highly deformable monocomponent powder adhesive to fix ceramic tiles and natural stone in large sizes.

Fixing on façades, heating screeds, in swimming pools and for industrial floors.

**bonding agents
and adhesives**

TECHNOKOLLA®





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MAIN FEATURES

- Monocomponent
- Frost proof
- No vertical creep
- Highly deformable
- Layers up to 10 mm thick

APPEARANCE

White or grey powder

STORAGE

12 months in dry place

FIELDS OF USE

- Fixing ceramic tiles of all types, even large sizes, on walls and floors, indoors and outdoors.
- Suitable for use when high performance is required, such as: tile laying in industrial environments, swimming pools or facades.
- Over-tiling on top of old ceramic tiles without use of primer.
- Suitable for fixing thin porcelain stoneware slabs.
- Fixing natural stone and marble, so long as they are not affected by water.
- Fixing on electric or water heating screeds.
- Spot-glueing insulating panels made of polystyrene, polyurethane foam, rock or glass wool.

SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster¹, anhydrite screeds¹, cement-based screeds, concrete, aerated concrete, old ceramic floors, old linoleum floors², PVC² or vinyl², plasterboard, RASOLASTIK range and RASOGUM.

¹ after application of PRIMER-T

² after application of PRIMER-101

NATURE OF THE PRODUCT

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

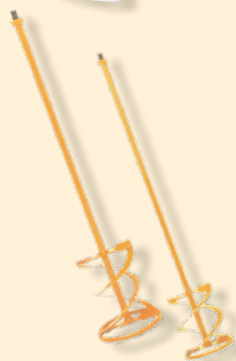
For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.



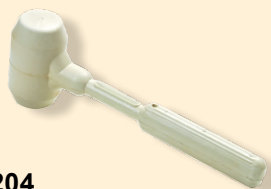
RECOMMENDED ACCESSORIES



437145
Blender 1200



437181
437183



437204
White rubber mallet



437200
28x12 cm trowel stainless steel
10 mm square serrations



437201
28x12 cm trowel stainless steel
Ø 15 mm rounded serrations

OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in concrete can be leveled (thickness not more than 5 mm) with TECHNO S-ONE 24 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R before fixing tiles.

HOW TO PREPARE THE MIXTURE

Mix TECHNO S-ONE with approximately 7.5 l of clean water (30±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 3 minutes, then stir the product briefly again before applying. The creamy paste obtained can be easily applied by trowel and possesses optimum thixotropy.

WARNINGS AND RECOMMENDATIONS

It is always advisable to apply two coats when laying tile sizes measuring 900 cm² or larger.

Do not apply to:

- metal

Do not use:

- at temperatures less than 5°C or more than 35°C
- in coats more than 10 mm thick

CONSUMPTION

Trowel	8x8 mm	10x10 mm	Ø 15 mm
Techno S-ONE	4 kg/m ²	5 kg/m ²	7 kg/m ²

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

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TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Curing time	3 min		
Pot life	*5 h		
Open time	*30 min	°30 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 (21 days for tanks and swimming pools)		
Creep on vertical wall	≤ 0.5 mm	°≤ 0.5 mm	EN 1308
Transverse deformation	2.5 mm	≥ 2.5 mm	EN 12002
	GREY	WHITE	
Initial tensile strength	2.3 N/mm ²	1.8 N/mm ²	°≥ 1 N/mm ² EN 1348
Tensile strength after the action of heat	2.6 N/mm ²	1.8 N/mm ²	°≥ 1 N/mm ² EN 1348
Tensile strength after immersion in water	1.0 N/mm ²	1.0 N/mm ²	°≥ 1 N/mm ² EN 1348
Bond after freezing/thawing cycles	1.6 N/mm ²	1.6 N/mm ²	°≥ 1 N/mm ² EN 1348

° 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 and wall tiles must be laid with certified class "C2TE S1 cement-based powder adhesive according to standard 12004" such as TECHNOKOLLA's TECHNO S-ONE, 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.

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