

stone maxi

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STONE MAXI

High thickness, highly flexible, rapidly hydrating, ultra-white powder adhesive, particularly suitable for fixing natural stone.

bonding agents and adhesives

TECHNOKOLLA®

A SIKA BRAND



stone maxi



MAIN FEATURES

- Rapid
- Monocomponent
- Can be used in thick layers
- Highly flexible
- Frost proof
- No creep

APPEARANCE

Ultra-white powder

STORAGE

6 months in dry place

FIELDS OF USE

- Quick-fixing of natural stone and marble. Suitable for fixing composite marble indoors and outdoor.*
- Fixing ceramic tiles of all types outdoors and indoors on walls and floors.
- Suitable when high performance is required and surfaces must be subjected to pedestrian traffic within a short time, such as: tile fixing in industrial environments, in swimming pools, on façades or over-tiling on old ceramic tiles, indoor.
- Fast fixing ceramic or vitreous mosaic.

* The laying of composite marble outside must be assessed with the manufacturer reassembled.

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 lines, RASOGUM +.

¹ after application of PRIMER-T PLUS

² after application of PRIMER-101 PLUS

NATURE OF THE PRODUCT

STONE MAXI mainly consists of high-strength cements, selected 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

Small localized hollows or gravel pockets in the case of concrete can be leveled (thickness not more than 5 mm) with STONE MAXI 4-6 h prior to fixing. If thicker layers are required, use GAP before fixing tiles.

bonding agents and adhesives



RECOMMENDED ACCESSORIES



Blender



White rubber mallet



10x10 mm trowel

HOW TO PREPARE THE MIXTURE

Blend STONE MAXI 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 high speed will reduce the mechanical characteristics of the product. Wait 3-5 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 900 cm² tile sizes or larger.

Do not apply to:

- metal
- old tiles outdoors

Do not apply:

- at temperatures less than 5°C or more than 35°C
- in coats more than 15 mm thick
- on parquet
- vinyl floors (apply PRIMER-101 PLUS beforehand)

CONSUMPTION

Trowel	8x8 mm	10x10 mm	Ø15 mm
Stone maxi	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	*30 min		
Open time	*20 min	°10 min	EN 1346
Adjustability time	*Approx. 20 min		
Treadable	*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 vertical wall	≤ 0.5 mm	°≤ 0.5 mm	EN 1308
Bond after 6 h	~ 0.6 N/mm ²	°> 0.5 N/mm ²	EN 1348
Initial tensile strength	~ 2.4 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile strength after the action of heat	~ 2.6 N/mm ²	°≥ 1 N/mm ²	EN 1348
Tensile strength after immersion in water	~ 1.7 N/mm ²	°≥ 1 N/mm ²	EN 1348
Bond after freezing/thawing cycles	~ 1.9 N/mm ²	°≥ 1 N/mm ²	EN 1348
Transversal warping	~ 2.6 mm	≥ 2.5 mm	EN 12002

° according to standard "EN 12004"

* these 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 fixed with class "C2FT S1 cement-based powder adhesive according to standard EN 12004", such as TECHNOKOLLA's STONE MAXI, 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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