

# stone maxi

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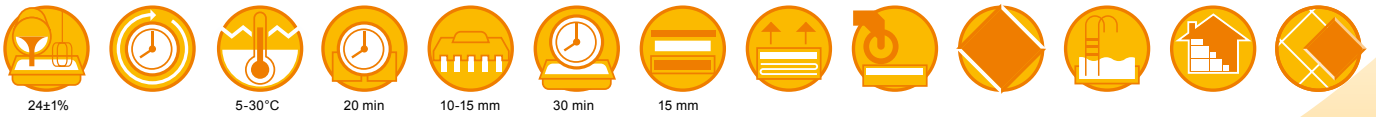
## STONE MAXI

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

## bonding agents and adhesives

**TECHNOKOLLA**





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## 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, or over-tiling on old ceramic tiles, in swimming pools or on façades.
- 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 plaster<sup>1</sup>, anhydrite screeds<sup>1</sup>, cement-based screeds, concrete, aerated concrete, old ceramic floors, old linoleum floors<sup>2</sup>, PVC<sup>2</sup> or vinyl<sup>2</sup>, plasterboard, RASOLASTIK, RASOGUM lines.

<sup>1</sup> after application of PRIMER-T

<sup>2</sup> after application of PRIMER-101

## 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](http://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 RASO, GAP or GAP-R before fixing tiles.

## bonding agents and adhesives



## RECOMMENDED ACCESSORIES



**437145**

Blender 1200



**437181**

**437183**



**437204**

White rubber mallet



**437200**

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 cm<sup>2</sup> 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 beforehand)

### CONSUMPTION

Trowel	8x8 mm	10x10 mm	Ø15 mm
Stone maxi	4 kg/m <sup>2</sup>	5 kg/m <sup>2</sup>	7 kg/m <sup>2</sup>

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 <sup>2</sup>	°> 0.5 N/mm <sup>2</sup>	EN 1348
Initial tensile strength	2.4 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile strength after the action of heat	2.6 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Tensile strength after immersion in water	1.7 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	EN 1348
Bond after freezing/thawing cycles	1.9 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup>	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](http://www.technokolla.com).

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