

# technostar hd

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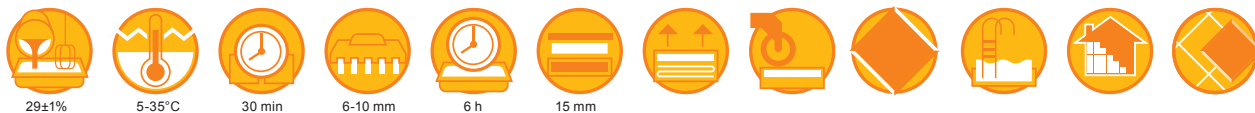


## TECHNOSTAR HD

Highly deformable adhesive with ultra-low dust emission used in layers up to 15 mm thick. Especially suitable for fixing porcelain stoneware and natural stone in large sizes. Fixing on façades, heating screeds, in swimming pools and for industrial floors.

## bonding agents and adhesives





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## MAIN FEATURES

Ultra-low dust emission  
Monocomponent  
Can be used in thick layers  
Frost proof  
No vertical creep  
Highly deformable  
Layers up to 15 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 the 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 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 range and RASOGUM.

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

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

## NATURE OF THE PRODUCT

TECHNOSTAR HD mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives with HD technology. Ask the technical office for the safety brief or download it from the website [www.technokolla.com](http://www.technokolla.com).

## OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in concrete can be leveled (thickness not more than 5 mm) with TECHNOSTAR HD 24 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**

28x12 cm trowel stainless steel  
10 mm square serrations



**437201**

28x12 cm trowel stainless steel  
Ø 15 mm rounded serrations

### HOW TO PREPARE THE MIXTURE

Blend TECHNOSTAR HD with approximately 7.25 l of clean water (29±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 5-10 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 cm<sup>2</sup> or larger.

#### Do not apply to:

- metal
- old tiles outdoors

#### Do not use:

- at temperatures less than 5°C or more than 35°C
- in coats more than 15 mm thick

### CONSUMPTION

	8x8 mm	10x10 mm	Ø 15 mm
Trowel			
Technostar HD	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	10 min		
Pot life	*6 h		
Open time	*30 min	°30 min	EN 1346
Adjustability time	*Approx. 50 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
	<b>GREY</b>	<b>WHITE</b>	
Initial tensile strength	2.4 N/mm <sup>2</sup>	2.3 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup> EN 1348
Tensile strength after the action of heat	1.7 N/mm <sup>2</sup>	1.6 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup> EN 1348
Tensile strength after immersion in water	1.5 N/mm <sup>2</sup>	1.6 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>	1.5 N/mm <sup>2</sup>	°≥ 1 N/mm <sup>2</sup> EN 1348
Transverse deformation	2.6 mm	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 cement-based adhesive featuring HD technology (low dust emission) certified class "C2TE according to standard EN 12004", such as TECHNOKOLLA's TECHNOSTAR HD, 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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