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04/22 256



TECHNOFAST

Quick setting powder adhesive used in layers up to 10 mm thick. Especially suitable for fixing all kind of small and medium sizes porcelain tiles. Fixing on fa ades, heating screeds and in swimming pools.

bonding agents and adhesives

TECHNOKOLLA





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MAIN FEATURES

- Quick-setting
- No vertical creep
- Easy to apply, creamy consistency
- Frost proof
- Layers up to 10 mm thick

APPEARANCE

White Powder

STORAGE

The product must be stored in undamaged original sealed packaging, in dry cooled conditions, temperature between +5°C and +35°C. Please refer to the packaging.

FIELDS OF USE

- Outdoor, indoor, wall and floor installation of small and medium sizes ceramic tiles (single-fired, double-fired, porcelain stoneware, klinker and terracotta).
- Suitable for use when high performance is required within a short time, such as: tile laying in industrial environments, swimming pools or facades.
- Suitable for installation on facades, balconies, swimming pools
- Over-tiling on top of old ceramic tile.
- Suitable for laying mosaic tiles (ceramic and glass)
- Fixing natural stone and marble, so long as they are not affected by water.
- Fixing on electric or water heating screeds.

SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster¹, anhydrite screeds¹, cement-based screeds, concrete, aerated concrete, old ceramic floors², well-bonded resilient coatings (except polyolefin)², plasterboard¹, RASOGUM + or products of RASOLASTIK range.

¹ after application of PRIMER-T PLUS

² after application of PRIMER-101 PLUS

NATURE OF THE PRODUCT

TECHNOFAST mainly consists of cement Portland, selected aggregates, special additives, re-dispersible polymer. For further details, ask the technical office for the safety brief or down-load it from the web site www.technokolla.com.



RECOMMENDED ACCESSORIES



Blender



White rubber mallet



28x12 cm trowel stainless steel
10 mm square serrations

OPERATIONS PRIOR TO APPLICATION

Substrates must fulfill the requirements of the local standards, be properly cured, structurally sound, dimensionally stable, free of any loose or friable particles, clean, dry and free of any contaminants such as dust, dirt, oil, grease, release agent, cement laitance or efflorescence. Cement substrates should not be subject to shrinkage after the installation of the product, therefore they must be properly cured. Comply with local standards. Depending on the substrate condition and contaminants to be removed from the surface, perform adequate preparation techniques, such as water-jet washing or blastcleaning, in order to remove all traces of any materials that could reduce the product's adhesion to the substrate. Cracks in substrates must be identified and sealed appropriately e.g. with REPAIR epoxy resin. On non-absorbent or substrates with limited absorbency, such as existing ceramic tiles etc., check to confirm that these surfaces are all firmly and securely bonded and stable, then use suitable degreasing/descaling products to thoroughly and completely clean the surface e.g. with DET BASICO and DET ACIDO. For applications in hot climates / environments and / or on absorbent substrates, thoroughly pre-dampen the surface immediately prior to the product application, but avoid any ponding / standing water on the surface, which must not be damp to touch and not with a dark-matt / wet surface appearance i.e. it must be saturated surface dry (SSD). For tiling in frequently damp or wet rooms, then a suitable TECHNOKOLLA® waterproofing product / system should be applied before the tiling. Small localized hollows or gravel pockets in concrete can be leveled (thickness not more than 5 mm) with TECHNOFAST 24 h prior to fixing. If thicker layers are required, use RASO, GAP or GAP-R before fixing tiles

HOW TO PREPARE THE MIXTURE

Blend TECHNOFAST with approximately 7,0 l of clean water (28±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 approx. 5 minutes, then stir the product briefly again before applying. The creamy paste obtained can be easily applied by trowel and possesses optimum thixotropy.

APPLICATION

Apply using a notched trowel. Apply sufficient product to ensure complete 'wetting' of the back of the tiles. Tiling must be carried out on freshly applied adhesive, applying adequate pressure to ensure complete and uniform contact with the adhesive and thus optimum bond. If a film is seen to form on the surface, the adhesive has been left for too long, then immediately remove the adhesive layer with the trowels, discard this material and apply a fresh layer of adhesive. Do not wet the adhesive once applied, as the water compromises the adhesion. Avoid application in direct sunlight and/or strong wind / draughts.

WARNINGS AND RECOMMENDATIONS

It is always advisable to apply two coats when laying tile sizes measuring 900 cm² or larger. Gypsum substrates must have a maximum moisture content of 0.5 %. Protect freshly applied material from freezing conditions, rain and any other environmental influences. Apply a test area prior to carrying out any work with natural stone tiles.

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 10 mm thick

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CONSUMPTION			
Trowel	6x6 mm	8x8 mm	10x10 mm
Technofast	~ 3 kg/m ²	~ 4 kg/m ²	~ 5 kg/m ²

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

TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Curing time	3 min		
Open time	*20 min	°10 min	EN 1346
Walkability	*After 4-6 hours		
Grouting on floors	*After 4-6 hours		
Grouting on walls	*After 4-6 hours		
Full surface traffic/use	*After 48 hours		
Slip Resistance	*≤ 0.5mm	°≤ 0.5mm	EN 1308
Bond after 6 h	~ 0.7	≥ 0.5 N/mm ²	EN 1308
Initial tensile adhesion strength	~ 2.0 N/mm ²	°≥ 1.0 N/mm ²	EN 1348
Tensile adhesion strength after heat action	~ 1.5 N/mm ²	°≥ 1.0 N/mm ²	EN 1348
Tensile adhesion strength after water immersion	~ 1.2 N/mm ²	°≥ 1.0 N/mm ²	EN 1348
Tensile adhesion strength after freeze/thaw cycles	~ 1.4 N/mm ²	°≥ 1.0 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.

EMICODE	
Emission class	r.p. No. Eurofins
EC1 Plus	392-2021-00229501_GA

FRENCH VOC LABEL	
Emission class	r.p. No. Eurofins
Classe A+	392-2021-00229502_EA

SPECIFICATION

Ceramic floor and wall tiles must be laid with certified class "C2 FT" cement-based powder adhesive according to standard 12004" such as TECHNOKOLLA's TECHNOFAST, 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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