



technorap-mc
04/16 238



**High coverage:
40% more than
a traditional
adhesive.**

TECHNORAP-MC

Quick setting lightened multi-consistency cement-based adhesive for fixing porcelain stoneware and natural stone in medium and large sizes. Can also be used in a single coat.

**bonding agents
and adhesives**



25-29±1% grey
24-28±1% white



5-30°C



30 min



6-15 mm



45-55 min



30 mm



technorap-mc



MAIN FEATURES

- Quick setting and drying
- Multi-consistency, can be used in both thixotropic or fluid consistencies
- layers up to 30 mm thick (thixotropic consistency)
- Highly deformable
- No vertical creep (thixotropic consistency)

APPEARANCE

White and grey powder

STORAGE

6 months in dry place

FIELDS OF USE

- Quick-fixing ceramic tiles of all types, even large sizes, on indoor and outdoor walls and floors.
- Quick-fixing stone materials, also those liable to staining and with a slight tendency to warping.
- Suitable for use when high performance is required within a short time, 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 composite marble with an average sensitivity to water* on indoor surfaces.
- Fixing on electric or water heating screeds.
- Spot-glueing insulating panels made of polystyrene, polyurethane foam, rock or glass wool and cork.

* Composite materials up to 60x60 in size can only be fixed indoors.

SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster¹, anhydrite screeds¹, cement-based screeds, concrete, aerated concrete, old ceramic floors, old floors in linoleum², PVC² or vinyl², plasterboard, RASOLASTIK-PLUS line and RASOGUM.

¹ after application of PRIMER-T

² after application of PRIMER-101

NATURE OF THE PRODUCT

TECHNORAP-MC 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.

bonding agents and adhesives



LOW VOC
product
TESTED BY:
EUROFINS



OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in the case of concrete can be leveled (not more than 15 mm thick) with TECHNORAP-MC 4-6 h prior to fixing. If thicker layers are required, use GAP or GAP-R respectively 24 h and 6 h before fixing tiles.

HOW TO PREPARE THE MIXTURE

GREY POWDER		WHITE POWDER	
Thixo	Fluid	Thixo	Fluid
6.25 l. water (25% ± 1%) per 25 kg	7.25 l. water (29% ± 1%) per 25 kg	6 l. water (24% ± 1%) per 25 kg	7 l. water (28% ± 1%) per 25 kg

Blend the contents of the bag of powder in a clean vessel with the quantity of water indicated above depending on the required consistency. Use blender fitted with blending tool at a low rate until mixture is smooth and lump-free. Use blender at low speed (max. 500 rpm). After blending, allow mixture to stand for about 3 min, then stir again before applying.

APPLICATION

TECHNORAP-MC should be applied to substrate with a serrated trowel. Regardless of the consistency used, the amount of product applied must be sufficient to completely wet the underside of the tiles. The tiles must be laid with freshly made adhesive. Apply sufficient pressure to tiles to ensure full contact with adhesive and achieve a perfect bond. Pass the serrated trowel over the previously applied coat of adhesive again if a skin forms on the surface. Do not wet the adhesive with water once it has been applied as this impairs its bonding properties.

If tiles measure 900 cm² (e.g. 30 x 30 cm) or more, always use the double coating technique or use the product in a fluid consistency and apply with a trowel suited to the tile size.

WARNINGS AND RECOMMENDATIONS

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

Do not apply to:

- wood, metal
- old tiles outdoors

Do not use:

- at temperatures less than 5°C or more than 30°C
- in layers more than 6 mm thick if consistency is fluid.
- in layers more than 30 mm thick if consistency is thixotropic.

CONSUMPTION

Trowel	6x6 mm	10x10 mm	15x15 mm
Technorap-MC	2.1 kg/m ²	2.9 kg/m ²	3.5 kg/m ²

The consumption data refer to use of the product in the fluid consistency.

technorap-mc

TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD																																
Curing time	3 min																																		
Pot life - Thixotropic consistency	*~45 min																																		
Pot life - Fluid consistency	*~55 min.																																		
Open time	*30 min	°30 min	EN 1346																																
Treadable	*After 3-4 h																																		
Floor tiles can be grouted	*After 3-4 h																																		
Wall tiles can be grouted	*After 2 h																																		
Surface can be used	*After 24 h (72 h tanks and swimming pools)																																		
Creep on vertical wall	≤ 0.5 mm	°≤ 0.5 mm	EN 1308																																
	<table border="1"> <thead> <tr> <th colspan="2">GREY</th> <th colspan="2">WHITE</th> </tr> <tr> <th>Thixo</th> <th>Fluid</th> <th>Thixo</th> <th>Fluid</th> </tr> </thead> <tbody> <tr> <td>~1.3</td> <td>~1.0</td> <td>~1.0</td> <td>~1.2</td> </tr> <tr> <td>~2.3</td> <td>~3.0</td> <td>~2.7</td> <td>~2.7</td> </tr> <tr> <td>~2.1</td> <td>~2.1</td> <td>~3.0</td> <td>~2.8</td> </tr> <tr> <td>~1.5</td> <td>~2.1</td> <td>~2.1</td> <td>~1.6</td> </tr> <tr> <td>~2.8</td> <td>~2.0</td> <td>~3.4</td> <td>~2.8</td> </tr> <tr> <td>~2.6</td> <td>~2.5</td> <td>~2.8</td> <td>~2.8</td> </tr> </tbody> </table>		GREY		WHITE		Thixo	Fluid	Thixo	Fluid	~1.3	~1.0	~1.0	~1.2	~2.3	~3.0	~2.7	~2.7	~2.1	~2.1	~3.0	~2.8	~1.5	~2.1	~2.1	~1.6	~2.8	~2.0	~3.4	~2.8	~2.6	~2.5	~2.8	~2.8	
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Bond after 6 h	~1.3	~1.0	~1.0	~1.2	°≥ 0.5 N/mm ²	EN 1348																													
Initial tensile strength	~2.3	~3.0	~2.7	~2.7	°≥ 1 N/mm ²	EN 1348																													
Tensile strength after the action of heat	~2.1	~2.1	~3.0	~2.8	°≥ 1 N/mm ²	EN 1348																													
Tensile strength after immersion in water	~1.5	~2.1	~2.1	~1.6	°≥ 1 N/mm ²	EN 1348																													
Bond after freezing/thawing cycles	~2.8	~2.0	~3.4	~2.8	°≥ 1 N/mm ²	EN 1348																													
Transverse deformation mm	~2.6	~2.5	~2.8	~2.8	≥ 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.

EMICODE

Emission class	r.p. No. Eurofins
EC1 Plus	392-2015-00060013A_rev1_02 del 30/09/2015

FRENCH VOC LABEL

Emission class	r.p. No. Eurofins
Classe A+	cert. Eurofins n° 00060013B_rev1_02 del 30/09/2015

SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C2FTE S1 cement-based self-wetting powder adhesive according to standard EN 12004", such as TECHNOKOLLA's TECHNORAP-MC, which can be applied in layers up to 30 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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