



Fig. 7.1 - Laying on floors: spreading the adhesive with a round-toothed 9 mm radius notched trowel



Fig. 7.2 - laying on floors: spreading the adhesive on the back of the tile



Fig. 7.3 - Laying on floors: laying and tapping the tiles in place

3. The adhesive must be applied with a notched trowel using the double-buttering technique, that is, the adhesive must be applied on both the back of the tile and on the substrate, to guarantee that the tile is buttered 100%. Double spreading is necessary and indispensable to avoid leaving gaps on the back of the tile.

4. The correct choice of adhesive: choosing the right adhesive is fundamental to guarantee that a tiled surface remains sound and reliable over the years. This is why it is important to determine at the outset exactly which type of porcelain is to be laid (with or without reinforcement mesh), the size of the tile, the substrate on which it is to be laid, the final use, etc. The practically zero absorption of this material, together with the possible use of reinforcement mesh, impose the use of class C2 adhesives according to EN 12004 and with class S1 deformability when laying large sized tiles. When large tiles are used, we strongly recommend using two-component, highly-flexible class C2 products according to EN 12004.

Technical Notebook

SYSTEMS FOR INSTALLING THIN PORCELAIN

7.1.1 LAYING ON INTERNAL FLOORS

Internal floors for pedestrian and light commercial use may be laid on the following substrates prepared as described in section 5.

Such floors, therefore, may be laid on cementitious screeds, anhydrite screeds (after applying **PRIMER G**), old floors and high performance screeds such as **TOPCEM**, **TOPCEM PRONTO**, **MAPECEM** or **MAPECEM PRONTO** using the following adhesives.

RECOMMENDED ADHESIVES				
NORMAL SETTING			QUICK SETTING	
Size of tile	ADHESIVE	CLASS ACCORDING TO EN 12004	ADHESIVE	CLASS ACCORDING TO EN 12004
< 5000 cm ² (the longer side must be no more than 100 cm)	KERAFLEX MAXI S1	C2TES1	ELASTORAPID	C2FTES2
	ULTRALITE S1	C2TES1		
> 5000 cm ²	KERABOND T + ISOLASTIC	C2TES2	GRANIRAPID	C2FS1

7.1.2 LAYING ON INTERNAL HEATED FLOORS

Tiles must be laid on screeds with incorporated heating elements after running the heating system with the following Mapei products:

RECOMMENDED ADHESIVES				
NORMAL SETTING			QUICK SETTING	
Size of tile	ADHESIVE	CLASS ACCORDING TO EN 12004	ADHESIVE	CLASS ACCORDING TO EN 12004
5000 cm ² (the longer side must be no more than 100 cm)	KERABOND T + ISOLASTIC	C2TES2	ELASTORAPID	C2FTES2
> 5000 cm ²			GRANIRAPID	C2FS1
			KERAQUICK + LATEX PLUS	C2FTS2

7.1.3 FIXING TO INTERNAL WALLS

Use the following adhesives for fixing all types of thin porcelain (with or without reinforcement mesh) on cementitious plaster, gypsum render (after applying **PRIMER G**), plasterboard, cement-fibre panels and old ceramic or stone.



Fig. 7.4 - Fixing to walls: spreading the adhesive with a N° 6 notched trowel
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Fig. 7.5 - Fixing to walls: applying the adhesive on the back of a tile
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Fig. 7.6 - Fixing to walls: positioning a tile
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