

1 \ OBJECTIVE

These tables are meant to help choosing the most adequate Tile Adhesive, for the most common situations.

2 \ SELECTION TABLES

Indoor Walls						
Individual Tile/Stone size	CIMBASIC	CIMPRO	CIMFLEX 40	CIMFLEX 50	CIMFLEX 60	Type of tile
Tiling over rendered walls						
Up to 900 cm ²	✓	✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
		✓	✓	✓	✓	High/medium absorption natural stone
			✓	✓	✓	Low absorption natural stone
Up to 7200 cm ²		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
			✓	✓	✓	Natural stone, regardless of water absorption
Tiling over concrete walls						
Up to 900 cm ²		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
		✓	✓	✓	✓	High/medium absorption natural stone
			✓	✓	✓	Low absorption natural stone
Up to 7200 cm ²		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
			✓	✓	✓	Natural stone, regardless of water absorption
Tiling over pre-existing tiles						
Up to 900 cm ²		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Up to 7200 cm ²			✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
				✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Tiling over gypsum based plater-board						
Up to 900 cm ²			✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Up to 3600 cm ²			✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
				✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Up to 7200 cm ²				✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
				✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Indoor Floors						
Individual Tile/Stone size	CIMBASIC	CIMPRO	CIMFLEX 40	CIMFLEX 50	CIMFLEX 60	Type of tile
Tiling over Cement-based Floor Screed						
Any size	✓	✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
		✓	✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
		✓	✓	✓	✓	High/medium absorption natural stone
			✓	✓	✓	Low absorption natural stone
Tiling over concrete						
Any size		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
		✓	✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
		✓	✓	✓	✓	High/medium absorption natural stone
			✓	✓	✓	Low absorption natural stone
Tiling over pre-existing tiles						
Any size		✓	✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
			✓	✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
			✓	✓	✓	High/medium absorption natural stone
			✓	✓	✓	Low absorption natural stone

Outdoor Walls						
Individual Tile/Stone size	CIMBASIC	CIMPRO	CIMFLEX 40	CIMFLEX 50	CIMFLEX 60	Type of tile
Tiling over rendered walls						
Up to 900 cm ²			✓	✓	✓	Ceramic Tiles, regardless of water absorption
				✓	✓	High/medium absorption natural stone
					✓	Low absorption natural stone
Up to 3600 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
					✓	Natural stone, regardless of water absorption
Up to 7200 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
					✓	Natural stone, regardless of water absorption
Tiling over concrete walls						
Up to 900 cm ²			✓	✓	✓	Ceramic Tiles, regardless of water absorption
					✓	Natural stone, regardless of water absorption
Up to 7200 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
					✓	Natural stone, regardless of water absorption
Tiling over pre-existing tiles						
Up to 900 cm ²				✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
					✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Up to 3600 cm ²				✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
					✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
Outdoor Floors						
Individual Tile/Stone size	CIMBASIC	CIMPRO	CIMFLEX 40	CIMFLEX 50	CIMFLEX 60	Type of tile
Tiling over Cement-based Floor Screed and over Concrete Floors						
Up to 900 cm ²			✓	✓	✓	Ceramic Tiles, regardless of water absorption
				✓	✓	Natural stone, regardless of water absorption
Up to 3600 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
				✓	✓	Natural stone, regardless of water absorption
Larger than 3600 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
					✓	Natural stone, regardless of water absorption
Tiling over pre-existing tiles						
Up to 900 cm ²			✓	✓	✓	High absorption ceramic tiles (E≥6%; Classes III and IIb)
				✓	✓	Low absorption ceramic tiles (E<6%; Classes IIa and I)
				✓	✓	Natural stone, regardless of water absorption
Up to 3600 cm ²				✓	✓	Ceramic Tiles, regardless of water absorption
				✓	✓	Natural stone, regardless of water absorption
Larger than 3600 cm ²				✓	✓	Peças Cerâmicas de alta absorção (E≥6%; Classes III e IIb)
					✓	Peças Cerâmicas de baixa absorção (E<6%; Classes IIa, e I)
					✓	Natural stone, regardless of water absorption

3 \ KEY

✓	For tiles/stones of any colour
✓	Only for light coloured tiles/stones
✓	For tiles/stones of any colour, as a reinforcement to mechanical anchoring
✓	Only for light coloured tiles/stones, as a reinforcement to mechanical anchoring

4 \ GENERAL RECOMMENDATIONS

- For any situation not described in the above tables, please contact us.
- In wall tiling, this information is valid for individual pieces with a thickness of up to 1 cm. For thicker tiles, please contact us.
- Application of non-porous natural stone such as schist, slate and similar, is not recommended.
- For use in cold stores, heated floors, or other cases where temperatures will diverge from the usual environmental conditions, please contact us.
- This information is valid considering the existence of joints, between each tile/piece, of, at least, 2 mm wide, if indoors and 6 mm if outdoors (or indoors exposed to sunlight).
- The double adhesion method should be used in the following situations::
 - If the pieces have an individual area equal to or greater than 2400 cm², for interior walls or 900 cm², for exterior walls (or interiors with high sun exposure);
 - If the support surface is not render, screed, or concrete.
- A correct preparation and application by an experienced workforce is critical to ensuring the performance of the finished tiled surface.
- We recommend that you run a sample on site so that you can analyse the products used.
- Our technical sheets are available for download only at www.cimpor.com.

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