

# WALL TILE ADHESIVES CHOICE GUIDE

WARNING: the following information in the box are the result of our experience.  
Follow the regulation valid for the country where the products are used in any case.

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MAX. LENGTH OF THE LONGER SIDE OF TILE (cm)		HIGH PERFORMANCE ADHESIVES FOR CERAMIC TILES AND STABLE NATURAL STONES																				HIGH PERFORMANCE ADHESIVES FOR NATURAL AND SYNTHETIC STONES					HIGH PERFORMANCE EPOXY POLYURETHANE ADHESIVE	READY TO USE ADHESIVE	
		BENFERFLEX MAX-S2	BENFERFLEX+S1	BENFERFLEX LIGHT	BENFERFLEX-XL	BENFERFLEX-IT	BENFERFLEX C2	PRIMO FLEX C2TES1	C2+	LEADERFLEX RAPIDO	BENFERFLEX RAPIDO	BENFERFIX RAPIDO	BENFERFIX RAPIDO + CEMLATEX 600	BENFERFIX RAPID FLEXIBLE	BENFERFLEX N	BENFERGRIP+	BENFERGRIP C2TE	BENFERGRIP C2TE + CEMLATEX 600	BENFERFIX EXTRA	BENFERFIX	EASYTILE	BENFERGYPS	MARMOFLEX-HT	MARMOFLEX S1	MARMOFLEX+S1	MARMOFLEX	MARMOFLEX-2K	BENFERJOLLY	POWERPLAST-D2
EN 12004 classification		C2TES2	C2TES1 C2E(G)S1	C2TES1	C2TES1	C2TE	C2TES1	C2TES1	C2TES1	C2FTES1	C2FTES1	C2F	C2FS2	C2F	C2TE	C2TE	C2TE	C2TES2	C1TE	C1E	C1	C1	C2FTS1	C2FTS1	C2FTS1	C2FE	C2S2	R2T	D2T
SUITABLE SUBSTRATES																													
OUTSIDE	Aged concrete <sup>4</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>		120 <sup>1</sup>		60 <sup>1</sup>			120 <sup>1</sup>					90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	120 <sup>1</sup>	120 <sup>1</sup>	
	Cement screeds <sup>4</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	30 <sup>1</sup>	120 <sup>1</sup>	30 <sup>1</sup>	60 <sup>1</sup>	30 <sup>1</sup>	30 <sup>1</sup>	120 <sup>1</sup>					90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	120 <sup>1</sup>	120 <sup>1</sup>	
	Flexible waterproofing <sup>4</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>		120 <sup>1</sup>		60 <sup>1</sup>			120 <sup>1</sup>					90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	60 <sup>1</sup>	120 <sup>1</sup>	120 <sup>1</sup>	
INSIDE	Aged concrete	360	360	360	360	90	360	360	360	360	360	60	360	60	90	60	60	360					360	360	360	90	360	360	45
	Cement screeds	360	360	360	360	90	360	360	360	360	360	60	360	60	90	60	60	360	30	30	30	30	360	360	360	90	360	360	45
	Cement based plaster	360	360	360	360	90	360	360	360	360	360	60	360	60	90	60	60	360	30	30	30	30	360	360	360	90	360	360	45
	Plasterboard	360	360	360	360	90	360	360	360	360	360	60	360	60	90	60	60	360	30			30	360	360	360	90	360	360	45
	Gypsum boards	360	360	360	360	90	360	360	360						90	60	60	360				30						360	45
	Old tiles <sup>3</sup>	360	360	360	360	60	360	360	360	360	360	30	360	30	60	30	30	360					360	360	360	60	360	360	45 <sup>2</sup>
	Wooden boards	90	60	60	60		60	60	60	90	60		90					90					60	60	60		90	90	45
	Flexible waterproofing	360	120	120	120	60	120	120	120	120	120		360		60			360					120	120	120	60	360	360	45 <sup>2</sup>
	STEEL / PVC																											60	
SWIMMING POOL	Aged concrete	120	90	90	90	30	90	90	90	90	90	30	120	30	30	30	30	120					90	90	90	30	120	120	
	Cement screeds	120	90	90	90	30	90	90	90	90	90	30	120	30	30	30	30	120					90	90	90	30	120	120	
	Flexible waterproofing	120	90	90	90	30	90	90	90	90	90		120		30			120					90	90	90	30	120	120	
	STEEL / PVC																											60	

- Use not allowed
- Treatment with specific primer
- Abrasion of support is recommended
- Fast setting
- Paste adhesive

<sup>1</sup> For tiles with longer side > 30 cm, the double coating is prescribed, the designer must consider the necessity of using a suitable mechanical security fix (point 7.13.7 or regulation UNI 11493-1)

<sup>2</sup> tiles with water absorption > 3%  
<sup>3</sup> tiles must be stable and have a good adhesion to support

<sup>4</sup> the support must have a cohesion strength to traction (strain) and adhesion to the underneath load-bearing substrate, not inferior to 1 N/mm<sup>2</sup> (point 7.13.7 of regulation UNI 11493-1)