

# 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.

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 SYNTETIC STONES				HIGH PERFORMANCE EPOXY POLYURETHANE ADHESIVE	READY TO USE ADHESIVE	
		BENFERFLEX MAX-S2	BENFERFLEX MAX FAST-S2	BENFERFLEX+S1	BENFERFLEX+ FAST-S1	BENFERFLEX LIGHT	BENFERFLEX-XL	BENFERFLEX C2	PRIMOFLEX C2TES1	C2+	BENFERFLEX RAPIDO	BENFERFIX RAPIDO	BENFERFIX RAPIDO + CEMLATEX 600	BENFERFLEX N	BENFERGRIP+	BENFERGRIP C2TE	BENFERGRIP C2TE + CEMLATEX 600	BENFERFIX EXTRA	BENFERFIX	EASYTILE	BENFERGYPS	MARMOFLEX-HT	MARMOFLEX S1	MARMOFLEX+S1	MARMOFLEX-2K	BENFERIOLLY	POWERPLAST-D2	
EN 12004 classification		C2TE S2	C2FTE S2	C2TES1 C2E(G)S1	C2FTE S1	C2TE S1	C2TE S1	C2TE S1	C2TE S1	C2TE S1	C2FTE S1	C2F	C2FS2	C2TE	C2TE	C2TE	C2TE S2	C1TE	C1E	C1	C1	C2FT S1	C2FT S1	C2FT S1	C2S2	R2T	D2T	
SUITABLE SUBSTRATES																												
OUTSIDE	Aged concrete <sup>4</sup>	120 <sup>1</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <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>	120 <sup>1</sup>	120 <sup>1</sup>		
	Cement screeds <sup>4</sup>	120 <sup>1</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <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>	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>	120 <sup>1</sup>	120 <sup>1</sup>		
	Flexible waterproofing <sup>4</sup>	120 <sup>1</sup>	120 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <sup>1</sup>	90 <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>	120 <sup>1</sup>	120 <sup>1</sup>	
INSIDE	Aged concrete	360	120 <sup>1</sup>	360	360	360	360	360	360	360	360	60	360	90	60	60	360					360	360	360	360	360	45	
	Cement screeds	360	360	360	360	360	360	360	360	360	360	60	360	90	60	60	360	30	30	30	30	360	360	360	360	360	45	
	Cement based plaster	360	360	360	360	360	360	360	360	360	360	60	360	90	60	60	360	30	30	30	30	360	360	360	360	360	45	
	Plasterboard	360	360	360	360	360	360	360	360	360	360	60	360	90	60	60	360	30				30	360	360	360	360	360	45
	Gypsum boards	360	360	360	360	360	360	360	360	360				90	60	60	360					30					360	45
	Old tiles <sup>3</sup>	360	360	360	360	360	360	360	360	360	360	30	360	60	30	30	360						360	360	360	360	360	45 <sup>2</sup>
	Wooden boards	90	90	60	60	60	60	60	60	60	60		90				90						60	60	60	90	90	45
	Flexible waterproofing	360	360	120	120	120	120	120	120	120	120		360	60			360						120	120	120	360	360	45 <sup>2</sup>
	STEEL / PVC																										60	
SWIMMING POOL	Aged concrete	120	120	90	90	90	90	90	90	90	90	30	120	30	30	30	120						90	90	90	120	120	
	Cement screeds	120	120	90	90	90	90	90	90	90	90	30	120	30	30	30	120						90	90	90	120	120	
	Flexible waterproofing	120	120	90	90	90	90	90	90	90	90		120	30			120						90	90	90	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)