

## Selection tables for butech's adhesives

### SELECTION OF ADHESIVE FOR RESIDENTIAL INDOOR FLOORING AND PUBLIC PEDESTRIAN PREMISES

Types of tiles (ISO 13006): BI<sub>a</sub> / BI<sub>b</sub>

Rectified tiles, Porcelain tiles, STON-KER, PAR-KER

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Cement-based screed with radiant heating	C2	C2 S1		C2 S2
Cement-based screed without radiant heating	C1	C2		
Anhydrite screed with radiant heating*	C2	C2 S1		C2 S2
Anhydrite screed without radiant heating*	C1	C2		
Concrete slab or floor	C2		C2 S1	
Pre-existing tiles/mosaic/stones	C2			
Metal surfaces	R1		-	

\* previous priming with C adhesives

### SELECTION OF ADHESIVE FOR COMMERCIAL INDOOR FLOORING OR FOR INDUSTRIAL USE WITH MECHANICAL REQUIREMENTS

Types of tiles (ISO 13006): BI<sub>a</sub> / BI<sub>b</sub>

Rectified tiles, Porcelain tiles, STON-KER, PAR-KER

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Cement-based screed with radiant heating	C2	C2 S1		C2 S2
Cement-based screed without radiant heating	C2		C2 S1	
Concrete slab or floor	C2		C2 S1	
Pre-existing tiles/mosaic/stones	C2		C2 S1	
Metal surfaces	R1		R2	-

### SELECTION OF ADHESIVE FOR OUTDOOR FLOORING

Types of tiles (ISO 13006): BI<sub>a</sub>

Rectified tiles, Porcelain tiles, STON-KER, PAR-KER

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Cement-based screed without radiant heating	C2	C2 S1	C2 S2	
Concrete slab or floor	C2	C2 S1	C2 S2	
Pre-existing tiles/mosaic/stones	C2 S1	C2 S1	C2 S2	
Metal surfaces	R1		R2	-

### SELECTION OF ADHESIVE FOR INDOOR WALLS

Types of tiles (ISO 13006): BI<sub>a</sub>

Porcelain tiles, STON-KER, PAR-KER

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Lime/cement-based plaster with radiant heating	C2 / D1	C2 S1		C2 S2
Lime/cement-based plaster without radiant heating	C1 / D1	C2		
Gypsum-based plaster with radiant heating*	C2 / D1	C2 S1		C2 S2
Gypsum-based plaster without radiant heating*	C1 / D1	C2		
Large-format ceramic brick	C1	C2		
Concrete	C2 / D1	C2	C2 S1	
Pre-existing tiles/mosaic/stones	C2		C2 S1	
Cement/fiber cement -based panels	C1 / D1	C2		C2 S1
Wood surfaces	C2 / D1 / R1	C2 S1 / R1		-
Plasterboard panels	C1 / D1	C2	C2 S1	-
Metal surfaces	R1		-	

\* previous priming with C adhesives

Types of tiles (ISO 13006): BIII

Wall tiles, Rectified wall tiles

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Lime/cement-based plaster with radiant heating	C2 / D1	C2 S1		C2 S2
Lime/cement-based plaster without radiant heating	C1 / D1	C1	C2	
Gypsum-based plaster with radiant heating*	C2 / D1	C2 S1		C2 S2
Gypsum-based plaster without radiant heating*	C1 / D1	C1	C2	
Large-format ceramic brick	C1	C1	C2	
Concrete	C1	C2	C2 S1	
Pre-existing tiles/mosaic/stones	C2		C2 S1	
Cement/fiber cement -based panels	C1 / D1	C2		C2 S1
Wood surfaces	C2 / D1 / R1	C2 S1 / R1		-
Plasterboard panels	C1 / D1	C2	C2 S1	-
Metal surfaces	R1		-	

\* previous priming with C adhesives

### SELECTION OF ADHESIVE FOR OUTDOOR WALLS AND CEILINGS

Types of tiles (ISO 13006): BI<sub>a</sub> / BIII

Wall tiles, Rectified wall tiles, Porcelain tiles, STON-KER, PAR-KER

Type of substrate	Length longest side of tile			
	≤ 300mm	≤ 600mm	≤ 900mm	> 900mm
Lime/cement-based plaster	C2 S1	C2 S1	C2 S2	
Concrete	C2 S1	C2 S2		
Cement/fiber cement -based panels	C2 S1	C2 S2		-
Metal surfaces	R1		R2	-

## Selection tables for butech's adhesives

### SELECTION OF ADHESIVE FOR WALL COVERINGS AND FLOORING WITH CERAMIC PLATES

Types of tiles (ISO 13006): Bla

**XTONE & XTONE Premium**

Type of substrate	No fiber		With fiber	
	≤ 70 cm	> 70 cm	≤ 70 cm	> 70 cm
Indoor flooring and wall	C2	C2 S1	C2 S1	C2 S2
Outdoor or heated flooring	C2 S2			
Facade	C2 S1	C2 S2	R2	
Highly deformable substrates	R2			

### SELECTION OF ADHESIVE FOR FLOORING AND WALL COVERINGS WITH MOSAICS

Type of substrate	No mesh			With mesh		
	Vitreous & ceramics	Natural stone	Wood & metal	Vitreous & ceramics	Natural stone	Wood & metal
Indoor flooring and wall without presence of water	C2	C2 S1 F	R2	C2 S1	C2 S1 F	R2
Indoor flooring and wall with presence of water	C2 S1	C2 S1 F	R2	C2 S1	C2 S1 F	R2
Pools	C2 S2	C2 S2	-	-	-	-
Highly deformable substrates	R2			R2		

### SELECTION OF ADHESIVE FOR FLOORING AND WALL COVERINGS WITH NATURAL STONE

Type of substrate	Stain resistant		Sensitive to stains		Slate and similar		DQS**
	≤ 600mm	> 600mm	≤ 600mm	> 600mm	≤ 300mm	> 300mm	
Indoor flooring and wall without presence of water	C2	C2 S1	C2 F	C2 S1 F	C2 S1 F	R2	C2 S2 F
Indoor flooring and wall with presence of water	C2 S1	C2 S2	C2 S1 F	C2 S2 F	C2 S2 F	R2	-
Outdoor or heated flooring	C2 S2	C2 S2	C2 S2 F	C2 S2 F	C2 S2 F	R2	-
Pools	C2 S2	C2 S2	C2 S2 F	C2 S2 F	C2 S2 F	R2	-
Highly deformable substrates	R2						

\* Meshed natural stone plates: Check with butech's Technical Department

\*\* In floors with direct sunlight, use R2 adhesives

## Coverage tables for butech's adhesives depending on the notched trowel used

ADHESIVE COVERAGE (kg / m <sup>2</sup> )	U3	U4	U6	U8	U10	U12	Ø10
<b>Type of adhesive</b>	<b>3 x 3</b>	<b>4 x 4</b>	<b>6 x 6</b>	<b>8 x 8</b>	<b>10 x 10</b>	<b>12 x 12</b>	<b>R 10 x 10</b>
tixocem plus		2-3	3-4	4-5	5-6		
flexitec n		2-3	3-4	4-5	5-6		
fr-one n		2-3	3-4	4-5	5-6	6-7	
one-flex premium		2-3	3-4	4-5	5-6	6-7	
super-one n		2-3	3-4	4-5	5-6	6-7	
super-flex s2		1-2	2-3	3-4	4-5	5-6	
maxifluid						6-7	6-7
politech n	1-2	2-3	3-4	4-5			
politech premium	1-2	2-3	3-4	4-5			

RECOMMENDED NOTCHED TROWEL	U3	U4	U6	U8	U10	U12	Ø10	
<b>Type of ceramics</b>	<b>mm x mm</b>	<b>3 x 3</b>	<b>4 x 4</b>	<b>6 x 6</b>	<b>8 x 8</b>	<b>10 x 10</b>	<b>12 x 12</b>	<b>R 10 x 10</b>
Wall tiles	316 x 200		x	x				
Wall tiles	316 x 446		x	x	x			
Wall tiles	316 x 592		x	x	x	x		
Wall tiles	316 x 900		x	x	x	x	x	
Wall tiles	450 x 1200		x		x	x	x	
PAR-KER	215 x 659		x	x	x	x		
PAR-KER	143 x 900		x		x	x		
PAR-KER	220 x 900		x		x	x		
PAR-KER	193 x 1200		x		x	x	x	
PAR-KER	294 x 1200		x		x	x	x	
PAR-KER	250 x 1500		x		x	x	x	
PAR-KER	193 x 1800		x		x	x	x	
PAR-KER	294 x 1800		x		x	x	x	
STON-KER	443 x 443		x	x	x	x		
STON-KER	435 x 659		x		x	x	x	
STON-KER	450 x 900		x		x	x	x	
STON-KER	596 x 596		x		x	x	x	
STON-KER	800 x 800		x		x	x	x	
STON-KER	596 x 1200		x		x	x	x	
STON-KER	1200 x 1200		x		x	x	x	
XTONE	1000 x 3000	x	x		x	x	x	
XTONE Premium	1200 x 1200	x	x		x	x	x	
XTONE Premium	1200 x 2500	x	x		x	x	x	
XTONE Premium	1500 x 3200	x	x		x	x	x	
MOSAICS		x	x	x				
AIRSLATE	1200 x 2400		x	x				

x Recommended trowel with standard conditions