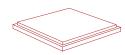


BT4B-6, Phuc Loi ward, Long Bien Dist., Hanoi, Vietnam. Hotline: +84. 243 99999 82 | +84. 8280 99999 https://lotusceramics.vn | f/lotusceramics.vn | lotusceramics@gmail.com

# Technical Standards

#### SLOT



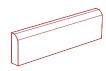


Longitudinal

Square slot

#### SKIRTING





Bull-nose cut

Bevel cut

#### STEPS Anti-slip surface



Bull-nose cut

Bull-nose cut

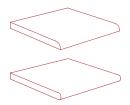


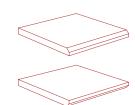


Bevel cut

Bevel cut

EDGES









Bull-nose cut

Bevel cut

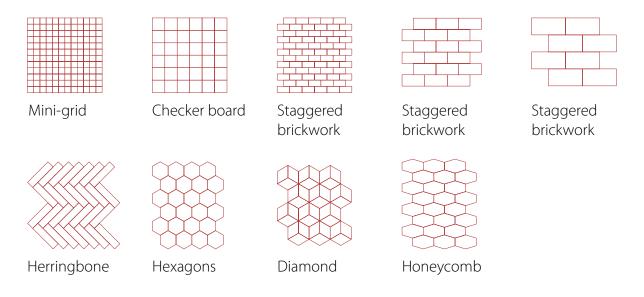
Bevel joint

Bevel joint



BT4B-6, Phuc Loi ward, Long Bien Dist., Hanoi, Vietnam. Hotline: +84. 243 99999 82 | +84. 8280 99999 https://lotusceramics.vn | f/lotusceramics.vn | lotusceramics@gmail.com

## MADE TO MEASURE



1. Before box opening, please verify product specification/ dimension, color, etc; make sure product of the same model is put in the same area instead of blending product of different types (unless a special decorative effect is pursued on purpose).

2. Before placement, dress the wall or floor well; determine brick arrangement according to placement type; in case of directional pattern, the product shall be applied as per the marked direction to reach the optimal decorative effect.

3. During pre-placement, pull two mutually vertical lines in the dressed ground and check leveling with the spirit meter; the wall vertically is checked by the plummet.

4. The ceramic sheet is recommended to be used together with 225#cement; the ceramic tile is recommended to be used together with 325#cement or glue; before placement, the ceramic sheet shall be fully soaked instead of ceramic tile.

5. Mark line according to tile dimension and pay attention to reserve mortar joint.

6. During placement, tightly seal the joint by glue; upon request by customers, proper color additive can be used to fill in the joint.

7. During placement in main wall corner, proper amount of glue is applied to reach lcm thickness; put one tile in the glue; slightly knock it with a wooden hammer to ensure the file surface, edge and the pulled line in parallel or vertical position.

8. During placement of wall file, slightly knock on the file a good many times till it is tightly fastened.

9. After placement in 1 hour, clean cement or other dirt in the tile surface timely till thorough cleanliness of tile surface.

10. After placement in 12 hours, make inspection by knocking on the tile surface. In case of hollow sound, rework is required.

11. Don't walk on or sweep the file till 24 hours after placement. Thoroughly clean the file by fresh water mixed with detergent. The shining floor and wall will be presented in front of you.



BT4B-6, Phuc Loi ward, Long Bien Dist., Hanoi, Vietnam. Hotline: +84. 243 99999 82 | +84. 8280 99999 https://lotusceramics.vn | f/lotusceramics.vn | lotusceramics@gmail.com

#### **GLAZED PORCELAIN**

PROPERTIES	UNIT		RESULT		
Size & Deviation	%	SIDE	The deviation of the average size of each tile from the work size	±0.5	-0.02- +0.03
			The deviation of the average size for each tile from the work size of the 10 test speciments	±0.4	-0.01 - +0.01
		Thickness ±5			-0.1 - +1.0
Straighteness of sides	%		-0.03 - +0.06		
Rectangularity	%		-0.06 - +0.03		
Surface flatness	mm	Center curvature		±0.4	-0.02 - +0.04
		Warpage ±0.4			-0.02 - +0.05
		Side curvature ±0.4			-0.08 - +0.05
Surface quality	-	A min visible	Complied		
Water absorption	%	Average: E ≤0.5			0.3%
		Single piece:E≤0.6			0.3%
Breaking Strength	Ν	When the thickness ≥7,5mm, the mean value shall not be less than 1300			2183
Anti-slip	R	9			4
Resistance to household chemical reagent & swimmimg	-	No less than Class UB after test			Class GA
Resistance to low concentration acid or alkali	-	Report the result after test			Class GA
Stain resistance	-	No less than Class 3 after test			Class GLA
Certificate of static friction	-		Report the result after test Dry		0.49
					0.57
Lead release Cadmium	mg/dm		Report the result after test		No release
release	mg/L				No release



BT4B-6, Phuc Loi ward, Long Bien Dist., Hanoi, Vietnam. Hotline: +84. 243 99999 82 | +84. 8280 99999 https://lotusceramics.vn | f/lotusceramics.vn | lotusceramics@gmail.com

#### **UNGLAZED PORCELAIN**

PROPERTIES	UNIT	ISO STANDARD REQUIREMENT			RESULT
Size & Deviation	%		The deviation of the average size of each tile from the work size	±0.5	-0.01- +0.02
		SIDE	The deviation of the average size for each tile from the work size of the 10 test speciments	±0.4	-0.02 - +0.01
		Thickness ±5		-0.9 - +0.9	
Straighteness of sides	%		-0.04 - +0.05		
Rectangularity	mm	Length difference of opposite sides ≤2.0			0.5
		Length difference of diagonal lines ≤2.0			0.3
Surface flatness	mm	Upward warpage ≤2.0		0.3	
		Downward warpage ≤2.0			0.3
Surface quality	-	A mini and	Complied		
Water absorption	%	Average: E ≤0.5			0.06%
		Single piece:E≤0.6			0.4%-0.08%
Breaking strength	Ν		2491		
Modulus of Rupture	MPA	Average: ≥35 Single piece: ≥32			59.8 40.7-84.1
Abrasion resistance	mm		Abrassion CBM ≤175		116
Glossiness	-	≥55		88-90	
Resistance to household chemical reagent & swimmimg pool alkali	-	No less than Class UB after test		Class UA	
Thermal shock resistance	-	Report the result after test			No crack
Resistance to low concentration acid or alkali	-	Report the result after test			Class ULA
Stain resistance	-	No less than Class 3 after test			Class 5
Coefficient of linear expansion		Report the result after test			7.1x10 <sup>-6</sup>
Moisture expansion (mm/m)		Report the result after test			< 0.01
Shock recovery coefficient	-		0.83		
Certificate of static friction	-		Report the result after test		0.53
					0.59