

No.	Test Items	Unit	Technical Requirements			Test Results	Verdict	
1	Size and difference	%	Length	The deviation, of the average size for each tile from the work size	± 0.6	0~+0.03	Pass	
		mm			Max ± 2.0	0~+0.2		
		mm	Thickness	The deviation, of the average size for each tile from the work size	work size ≤ 11.0			10.7
		%			± 5	-0.9~0		
		mm			Max ± 0.5	-0.1~0		
2	Straightness of sides	%	± 0.5			-0.05~+0.05	Pass	
		mm	Max ± 1.5			-0.43~+0.38		
3	Rectangularity	%	± 0.5			-0.05~+0.04	Pass	
		mm	Max ± 2.0			-0.37~+0.28		
4	Surface flatness	mm	Convex		≤ 2.0	0.3	Pass	
			Concave		≤ 2.0	0.5		
5	Surface quality	----	A minimum of 95% of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles.			Conformed	Pass	
6	Water absorption	%	Average value ≤ 0.5			0.05	Pass	
			Individual value ≤ 0.6			0.04~0.07		
7	Breaking strength	N	When the thickness $\geq 7.5\text{mm}$, Average value ≥ 1300			2343	Pass	
8	Modulus of rupture	Mpa	Average value ≥ 35			38	Pass	
			Individual value ≥ 32			36~39		
9	Crazing resistance	----	No crazing on the glazed surface after the crazing test			Conformed	Pass	
10	Frost resistance	----	No cracking or peeling on the glazed surface after the frosting test			Conformed	Pass	
11	Resistance to staining	----	Minimum Class 3			Class 5	Pass	
12	Resistance to household chemicals and swimming pool salts	----	Minimum GB			Glass GA	Pass	
13	Friction coefficient	----	Individual value ≥ 0.5			Dry 0.58	Pass	
14	Internal exposure index Ira		Grade A decoration materials : Ira ≤ 1.0			0.8	Grade A	
			Grade B decoration materials : Ira ≤ 1.3					
	External exposure index Ir		Grade A decoration materials : Ir ≤ 1.3			1.0		
			Grade B decoration materials : Ir ≤ 1.9					
			Grade C decoration materials : Ir ≤ 2.8					