

HAND DECORATED 150x150 / 200x200mm

Characteristics	Unit	Technical Requirement		Result	Verdict	
SIZE AND DIFFERENCE	mm	Length	The deviation, of the average size for each tile from the work size	+/- 0.75	-0.60~0.53	Pass
	%		The deviation, of the average size for each tile from the average size of the 10 test specimens	+/- 0.5	-0.07~0	
	mm	Thickness			8.2~8.3	-
STRAIGHTNESS OF SIDES	%	+/-0.5		-0.25~+0.25	Pass	
RECTANGULARITY	%	+/-0.6		-0.15~+0.11	Pass	
SURFACE FLATNESS	%	Edge Curvature		+/- 0.5	-0.25~+0.25	Pass
	%	Warpage		+/- 0.5	-0.22~+0.22	
	%	Centre Curvature		+/- 0.5	-0.10~+0.16	
SURFACE QUALITY	-	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.		Conformed	Pass	
WATER ABSORPTION	%	Average maximum ≤ 0.5 Individual maximum ≤ 0.6		0.35 0.34~0.37	Pass	
BREAKING STRENGTH	N	When the thickness ≥ 7.5 mm, the mean value shall not be less than 1000		1135	Pass	
MODULUS OF RUPTURE	MPa	Average minimum 22 Individual minimum 20		35 34~36	Pass	
RESISTANCE TO THERMAL SHOCK	-	Offer test report		Conformed	Pass	
FROST RESISTANCE	-	No crack or peeling after the frost test		Conformed	Pass	
RESISTANCE TO STAINING	-	Minimum Class 3		Class 5	Pass	
RESISTANCE TO HOUSEHOLD CHEMICALS & SWIMMING POOL SALTS	-	Minimum GB		Class GA	Pass	
INTERNAL EXPOSURE INDEX	-	A decorative decoration materials: $I_{Ra} \leq 1.0$		0.5	Category A	
		B decorative decoration materials: $I_{Ra} \leq 1.3$				
EXTERNAL EXPOSURE INDEX	-	A decorative decoration materials: $I_r \leq 1.3$		0.7		
		B decorative decoration materials: $I_r \leq 1.9$				
		C decorative decoration materials: $I_r \leq 2.8$				