

6101 GREY POLISHED 600x600 mm

Characteristics	UNIT	REQUIREMENT		RESULT	DECISION	
SIZE AND DIFFERENCE	mm	Length	The deviation of the average size for each tile from the work size	Max. +/- 1.0	0~+0.1	Pass
	%	Thickness	The deviation of the average size for each tile from the work size	+/- 5	+3.3~+4.4	
	mm			Max. +/- 0.5	+0.3~+0.4	
STRAIGHTNESS OF SIDES	%	+/- 0.2		-0.03~+0.06	Pass	
	mm	Maximum 1.5		0.36		
RECTANGULARITY	%	+/- 0.2		-0.04~+0.05	Pass	
	mm	Maximum 2.0		0.27		
SURFACE FLATNESS	%	Centre Curvature	+/- 0.15	Maximum 2.0	-0.04~+0.03	Pass
	mm				Maximum 2.0	
	%	Warpage	+/- 0.15	Maximum 2.0	-0.02~+0.02	
	mm				Maximum 2.0	
	%	Edge Curvature	+/- 0.15	Maximum 2.0	-0.06~+0.04	
mm	Maximum 2.0				0.34	
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 Value 0.5		0.02	Pass	
		Individual Maximum 0.6		0.02~0.03		
BREAKING STRENGTH	N	When the thickness is ≥ 7.5 mm, the mean value shall not be less than 1300		2102	Pass	
MODULUS OF RUPTURE	MPa	Average Minimum 35		47	Pass	
		Individual Minimum 32		44~49		
SPECULAR GLOSS	-	Minimum 55		90~91	Pass	
FROST RESISTANCE	-	No crack or peeling after the frost test		Conformed	Pass	
RESISTANCE TO HOUSEHOLD CHEMICALS & SWIMMING POOL SALTS	-	Minimum UB		Class UA	Pass	
RESISTANCE TO DEEP ABRASION: REMOVED VOLUME	mm ³	Maximum 127		109~116	Pass	
RESISTANCE TO STAINING	Class	Class 5		5	Pass	
STATIC FRICTION COEFFICIENT	-	Individual Minimum 0.60		Dry 0.71~0.72	Pass	
RESISTANCE TO THERMAL SHOCK	-	Report to test results after the test		No Crack	-	
RESISTANCE TO LOW CONCENTRATION OF ACIDS AND ALKALIS	-	After testing the classification		Class ULA	-	
RESISTANCE TO HIGH CONCENTRATION OF ACIDS AND ALKALIS	-	After testing the classification		Class UHA	-	
COEFFICIENT OF LINEAR THERMAL EXPANSION	°C ⁻¹	Report the coefficient of linear thermal expansion		6.7x10 ⁻⁶	-	
IMPACT RESISTANCE	-	Report the average resiliency coefficient		0.83	-	
MOISTURE EXPANSION	%	Report the test result after test		<0.01	-	
RADIONUCLIDE	-	Internal Exposure Index I _{Ra} ≤ 0.9		0.6	Pass	
	-	External Exposure Index I _r ≤ 1.2		0.9		