

TEST REPORT

NAME: CERAMIC TILES

WORK SIZE: 250X398.5X7.2-7.4MM

Test Report No.:(2020)MJJC-1273

Test Standard: GB/T 4100-2015 Dry Pressed Tiles Appendix L, BIII (E>10%)

Technical Data

Serial No.	Test Items	Provisions of Standard	Test Result	Judgement	
1	Side Length	±0.5% Max ±2.0mm	-0.1%~+0.1% Max:+0.4mm	Passed	
	Side Width	±0.5% Max ±2.0mm	-0.2%~0.1% Max: -0.6mm	Passed	
	Thickness	±10% Max ±0.5mm	-1%~+2% Max: 0.1mm	Passed	
2	Straightness of sides	±0.30% Max±1.5mm	-0.1~+0.2% -0.2~+0.2mm	Passed	
3	Deviation from rectangularity	±0.50% Max±2.0mm	-0.1~+0.2% -0.2~+0.3mm	Passed	
4	Surface flatness	Centre curvature	-0.30~+0.50% Max-1.5~+2.0mm	+0.0%~+0.3%	Passed
		Edge curvature	-0.30~+0.50% Max-1.5~+2.0mm	-0.1%~+0.3%	Passed
		Warpage	±0.50% Max±2.0mm	-0.1%~+0.3%	Passed
5	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	CONFIRMED	Passed	
6	Water Absorption	Average: E > 10% Single Min value >9%	Average: 17% Single Min value: 17%	Passed	
7	Breaking strength, N	Thickness <7.5mm ≥ 200N	433N	Passed	
8	Modulus of rupture, Mpa	Thickness<7.5mm, ≥15Mpa	17Mpa	Passed	
9	Crazing Resistance	Fully resistance	CONFIRMED	Passed	
10	Thermal shock resistance	Fully resistant	CONFIRMED	Passed	
11	Impact resistance	Test method available	Avaerage:0.58	---	



12	Resistance to Surface abrasion of glazed tiles	Report abrasion class and cycles passed	Class 3 at 750 revolutions	---
13	Moisture Expansion	Test method available	Average:0.01%	----
14	Resistance to low concentrations of acids and alkalis	Manufacturer to state Classification	GLA	----
15	Resistance to Chemicals(Resistance to household chemicals and swimming pool salts)	Min: Class GB	GA	Passed
16	Resistance to staining	Min: Class 3	Class 5	Passed

