



TECHNICAL DATA SHEET

MANUFACTURER	FOSHAN B&W CERAMICS CO., LTD
PRODUCT TITLE SIZE AND MODEL	MIKI BLACK MATTE Black / 600 x 600 x 9.2mm / 30 pieces / Unglazed
BRAND/GRADE	Superior grade
TEST STANDARD	EN 13006:2012 Ceramic tiles - Definition, classification, characteristics, evaluation of conformity and manufacture Annex G Requirements for dry-pressed ceramic tiles with low water absorption of group BIa (Eb < 0,5%)
SAMPLES	The results comply with the requirement of Annex G of EN 14411:2012. with respect to the elements of the test.

ITEMS TESTED		NORMS	TECHNICAL PREREQUISITES		RESULTS
Length and width		EN ISO 10545-2	± 0.6 %		-0.6 % ~ +0.3 %
			± 2.0mm		0.4mm ~ +0.2mm
Declared value			10 mm		
Thickness			N≥15 cm	± 5 %	-0.2 % ~ +0.5 %
		±0.5 mm		0 ~ + 0.1 m	
Straightness of side		EN ISO 10545-2	N≥15 cm	±0.15 %	-0.02~ +0.05 %
				< 1.5 mm	-0.1~ +-0.3mm
Rectangularity		EN ISO 10545-2	N≥15 cm	±0.5 %	-0.08~ +0.08 %
				< 2.0 mm	-0.5~ +-0.5mm
Centre curvature			EN ISO 10545-2	N≥15 cm	±0.5 %
	< 2.0 mm				-0.3~ +-0.5mm
Edge curvature	N≥15 cm			±0.5 %	-0.04~ +0.06 %
				< 2.0 mm	-0.4~ +-0.6mm
Warpage	N≥15 cm		±0.5 %	-0.12~ +0.04 %	
			< 2.0 mm	-1.0~ +-0.3mm	

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Surface quality		ISO 10545.3	A minimum of 95% area of the tile shall be free from visible defects that would impair the appearance of a major area of tiles, when observed from a distance of 0.8m.	Conform	
Water absorption			Minimum average of < 0.6% Individual maximum of < 0.6%	-0.10 % ~ +0.16 %	
Breaking strength		ISO 10545.4	When the thickness > 7.5mm, the average value shall not be less than 1300 N	3821	
Modulus of rupture			Minimum average of 35 Individual minimum of 35	Conform	
Impact resistance		ISO 10545.5	—	0.88	
Abrasive resistance		ISO 10545.6	< 175	123 ~ 139	
Resistance to thermal shock		ISO 10545.9	No crackle or crack after 10 times determinations of resistance to thermal shock	Conform	
Resistance to household chemicals		ISO 10545.13	Minimum class B	UA	
Resistance to swimming pool additives			Minimum class B	UA	
Resistance to low concentrations of acids and alkalis			Manufacturer to state classification	ULA	
Resistance to high concentrations of acids and alkalis			Hydrochloric acid solution. 18% (v/v)	UHB	
			Lactic acid. 5 % (v/v)	UHB	
			Potassium hydroxide. 100g/L	UHA	
Resistance to stains				ISO 10545.14	—
Coefficient of static friction		ASTM C 1028	Report the value after the test	Dry	0.80
				Wet	0.52
Hardness Mohs		EN 15771	Report the test result after the test	>9	