

SANTORINI TO MIAMI COLLECTION



OIA LIGHT

Product code:
OIA1661A: 600X600X10MM
OIA11261A: 600X1200X10MM
OIA21261A: 600X1200X20MM



OIA MEDIUM

Product code:
OIA1662A: 600X600X10MM
OIA11262A: 600X1200X10MM
OIA21262A: 600X1200X20MM



BIANCA CALACATTA

Product code:
CTA1260A: 600X1200X10MM
CTA21260A: 600X1200X20MM



BIANCA CARRARA

Product code:
BCM1260A: 600X1200X10MM
BCM21260A: 600X1200X20MM

TECHNICAL DATA SHEET
SANTORINI TO MIAMI PORCELAIN TILES

SOLAR REFLECTIVE INDEX			
TEST NAME	UNIT	TEST METHOD	RESULTS
Solar Direct Reflectance	%	ASTM E 903:12	72.0
Normal Emissivity	%	EN 673:2011	0.92
Corrected Emissivity	%	EN 673:2011	0.84
*SRI for low wind condition	%	ASTM E 1980:11	88.05
*SRI for medium wind condition	%	ASTM E 1980:11	87.67
*SRI for high wind condition	%	ASTM E 1980:11	87.25

	PROPERTIES	TEST METHOD	REQUIREMENTS		10MM THICKNESS RESULTS	20MM THICKNESS RESULTS
Dimension & surface quality	Length & width	GB/T 3810.2-2016	N≥15cm	±0.6%	-0.01%~-+0.01%	-0.03%~0
				±2.0mm	-0.01%~-+0.01%	-0.02mm~0
	Thickness	GB/T 3810.2-2016	N≥15cm	±5%	-0.9%~-+0.1%	+0.4%~-+0.9%
				±0.5mm%	-0.1mm~0	+0.1%~-+0.2mm
	Straightness of sides	GB/T 3810.2-2016	N≥15cm	±0.6%	-0.01%~-+0.01%	-0.03%~0
				±2.0mm	-0.01%~-+0.01%	-0.02mm~0
	Rectangularity	GB/T 3810.2-2016	N≥15cm	±0.5%	-0.11%~-+0.1%	+0.09%~-+0.10%
				±2.0mm%	-0.7mm~0.6mm	+0.09%~-+0.10%
	SURFACE FLATNESS					
	a) Centre curvature, related to diagonal calculated from the work size	GB/T 3810.2-2016	N≥15cm	±0.5%	-0.04%	+0.01%~-+0.02%
				±2.0mm%	-0.4mm~0.3mm	+0.1%~-+0.2mm
	b) Edge curvature, related to the corresponding work sizes	GB/T 3810.2-2016	N≥15cm	±0.5%	-0.08%~-+0.07%	+0.05%~-+0.07%
				±2.0mm%	-0.5mm~0.4mm	+0.3mm~-+0.4mm
	c) Warpage, related to diagonal calculated from the work size	GB/T 3810.2-2016	N≥15cm	±0.5%	-0.06%~-+0.06%	+0.08%~-+0.07%
				±2.0mm%	-0.5mm~-+0.5mm	+0.7mm~-0.6mm
	Surface Quality	GB/T 3810.2-2016	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.		100%	100%
Physical Properties	Water absorption Percent mass fraction	GB/T 3810.3-2016 3810.3-2016 3810.3-2016	E≤0.5%	±0.5%	0.08%	0.21%
			Individual maximum 0.6%	±2.0mm%	0.06%~0.10%	0.16%~0.31%
	Breaking strength, in N	GB/T 3810.4-2016	≥1300		6233	7858
	Modulus of rupture, in N/mm² applicable to tiles with breaking strength ≥3000N	GB/T 3810.4-2016	Minimum ≥35		-----	-----
			Individual minimum 32		-----	-----
	Abrasion resistance Resistance to surface abrasion of glazed tiles intended for use on floors	GB/T 3810.7-2016	Report abrasion class		Class 4	Class 4
			Report cycles passed		2100	6000
	Crazing resistance: glazed tiles	GB/T 3810.11-2016	Required		Fully resistant	Fully resistant
Frost resistance	GB/T 3810.12-2016	Required		Fully resistant	Fully resistant	
Coefficient of friction: floor tiles	Annex M	Individual ≥0.50		0.77~0.78	0.84~0.85	
Chemical Properties	RESISTANCE TO STAINING					
	a) Green staining agent in light oil	GB/T 3810.14-2016	Minimum Class 3		Class 4	Class 5
	b) Red staining agent in light oil	GB/T 3810.14-2016	Minimum Class 3		Class 4	Class 5
	c) Iodine, 13g/L solution in alcohol	GB/T 3810.14-2016	Minimum Class 3		Class 5	Class 5
	d) Olive oil	GB/T 3810.14-2016	Minimum Class 3		Class 5	Class 5
	RESISTANCE TO HOUSEHOLD CHEMICALS AND SWIMMING POOL SALTS					
	Household chemicals: Ammonium chloride, 100g/L	GB/T 3810.13-2016	Minimum GB		GA	GA
	Swimming pool salts: Sodium hypochlorite solution, 20mg/L	GB/T 3810.13-2016	Minimum GB		GA	GA
	RESISTANCE TO LOW CONCENTRATIONS OF ACIDS AND ALKALIS					
	a) Hydrochloric acid solution, 3% (v/v)	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
	b) Citric acid solution, 100g/L	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
	c) Potassium hydroxide, 30g/L	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
	RESISTANCE TO HIGH CONCENTRATIONS OF ACIDS AND ALKALIS					
	a) Hydrochloric acid solution, 18% (v/v)	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
	b) Lactic acid 5% (v/v)	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
	c) Potassium hydroxide, 100g/L	GB/T 3810.13-2016	Manufacturer to state classification		GLA	GLA
Slip Resistance (Ramp test)	-----	DIN 51130:2014	-----	Mean overall acceptance angle: 34.5"	Mean overall acceptance angle: 37.5"	
				Slip resistance assesment group: R12	Slip resistance assesment group: R12	



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