

**MOCA CREMA
COLLECTION**



MOCA CREMA

Product code:

MC101262A: 600X1200X10MM MC181262A: 600X1200X18MM
 MC10662A: 600X600X10MM MC18662A: 600X600X18MM

**TECHNICAL DATA SHEET
MOCA CREMA 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	18MM 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/mm ² 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 assessment group: R12	Slip resistance assessment group: R12	



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