



Technical Characteristics

MARMI collection
Taj Mahal, Fior di Bosco, Belvedere
Porcelain Tile

Reference		Characteristics	Standard	Required values		DC USA Values:
Dimensional standard	Calibrated	Nominal Size	ASTM C499	± 3%		Comply
		Caliber Range	ASTM C499	± 0.5%	± 0.08 in	Comply
		Warpage Edge	ASTM C485	± 0.5%	± 0.07 in	Comply
		Warpage Diagonal	ASTM C485	± 0.5%	± 0.07 in	Comply
		Wedging	ASTM C502	± 0.5%	± 0.08 in	Comply
	Rectified	Nominal Size	ASTM C499	- 3%	+ 2%	Comply
		Caliber Range	ASTM C499	± 0.25%	± 0.03 in	Comply
		Warpage Edge	ASTM C485	± 0.4%	± 0.05 in	Comply
		Warpage Diagonal	ASTM C485	± 0.4%	± 0.07 in	Comply
		Wedging	ASTM C502	± 0.25%	± 0.03 in	Comply
Mechanical Standard	Thickness	ASTM C499	± 0.040 in		Comply	
	DEEP Abrasion	ASTM C1243	<175mm ³		~ 40 mm³	
	Bond Strength	ASTM C482	≥ 50 psi		Comply	
	Water absorption	ASTM C373	Maximum 0.5%		~ 0.1%	
	Thermal shock resistance	ASTM C484	Pass		Comply	
	Chemical resistance	ASTM C650	Pass		Comply	
	Stain resistance	ASTM C1378	Pass		Comply	
	Breaking Strength	ASTM C648	≥ 275 lbf		Comply	
	Resistance to Freeze/Thaw cycling	ASTM C1026	As Reported		Comply	
	Scratch Hardness	Mohs	Declared value		Mohs ≥6	



		Fire reaction - floor	EN 13823	Not Required	A1fl class (No reaction)
		Fire reaction - wall	EN 13823	Not Required	A1 class (No reaction)
		VOC	No VOC		
US Requirements	Dynamic coefficient of Friction DCOF	ANSI A326.3-2017 release 2019	Wet value ≥ 0.42	Nat	0.63
				20MM	0.79

Values reflect an average among test performed in our laboratory according to the standard requirements and/or through third party laboratory.

Test are performed on actual production, first choice material. Values may vary between single individual production run.