

Del Conca USA - Technical Characteristics

SERIE HQT , QUARTZITE collection.

ANSI A 137.1 - 2019 Table 10 : 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 ≥ 7



		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 \geq 0.42	Nat	0.47

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.

Ceramica del Conca Technical team will be pleased to integrate and answer specific questions.