

## Del Conca USA - Technical Characteristics

**SERIE** , HLT ELEMENTS 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%		<b>Comply</b>
		Caliber Range	ASTM C499	± 0.5%	± 0.08 in	<b>Comply</b>
		Warpage Edge	ASTM C485	± 0.5%	± 0.07 in	<b>Comply</b>
		Warpage Diagonal	ASTM C485	± 0.5%	± 0.07 in	<b>Comply</b>
		Wedging	ASTM C502	± 0.5%	± 0.08 in	<b>Comply</b>
	Rectified	Nominal Size	ASTM C499	- 3%	+ 2%	<b>Comply</b>
		Caliber Range	ASTM C499	± 0.25%	± 0.03 in	<b>Comply</b>
		Warpage Edge	ASTM C485	± 0.4%	± 0.05 in	<b>Comply</b>
		Warpage Diagonal	ASTM C485	± 0.4%	± 0.07 in	<b>Comply</b>
		Wedging	ASTM C502	± 0.25%	± 0.03 in	<b>Comply</b>
Mechanical Standard	Thickness		ASTM C499	± 0.040 in		<b>Comply</b>
	DEEP Abrasion		ASTM C1243	<175mm <sup>3</sup>		<b>~ 40 mm<sup>3</sup></b>
	Bond Strength		ASTM C482	≥ 50 psi		<b>Comply</b>
	Water absorption		ASTM C373	Maximum 0.5%		<b>~ 0.1%</b>
	Thermal shock resistance		ASTM C484	Pass		<b>Comply</b>
	Chemical resistance		ASTM C650	Pass		<b>Comply</b>
	Stain resistance		ASTM C1378	Pass		<b>Comply</b>
	Breaking Strength		ASTM C648	≥ 275 lbf		<b>Comply</b>
	Resistance to Freeze/Thaw cycling		ASTM C1026	As Reported		<b>Comply</b>
	Scratch Hardness		Mohs	Declared value		<b>Mohs ≥6</b>



		Fire reaction - floor	EN 13823	Not Required		<b>A1fl class (No reaction)</b>
		Fire reaction - wall	EN 13823	Not Required		<b>A1 class (No reaction)</b>
		VOC	<b>No VOC</b>			
	US Requirements	Dynamic coefficient of Friction DCOF	ANSI A326.3-2017 release 2019	Wet value $\geq$ 0.42	Nat	<b>0.55</b>

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.