

## Ceramica del Conca USA - Technical Characteristics

**SERIE HET, ESSENTIAL** 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	Declared value		<b>Class E</b>	
	Stain resistance	ASTM C1378	Declared value		<b>Class A</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 ≥7</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 A326.3-2021	Wet value $\geq$ 0.42	Nat	<b>0.45</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.