Del Conca USA - Technical Characteristics

SERIES , AURA 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 mm^3**
		Bond Strength	ASTM C482	≥ 50 psi		**Comply**
		Water absorption	ASTM C373	≤ 0.5%		**~ 0.2%**
		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**

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		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	**0.46**

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

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

Del Conca USA Technical team will be pleased to integrate and answer specific questions.

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