



Stone+Tile

## NEWEN COLLECTION

### Technical Characteristics

<b>Reference</b>		<b>Characteristics</b>	<b>Standard</b>	<b>Required values</b>		<b>DC USA Values:</b>
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>~ 0.2%</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 ≥7</b>	



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		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>0.60</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.*