

# PORCELAIN

## DELUXE

### Technical Product Specifications

PHYSICAL PROPERTIES	TEST	INDUSTRY STANDARDS		DUCHÂTEAU RESULTS	
Water Absorption Size	ASTM C373	0.5% Maximum		≤ 0.1%	
<i>Calibrated (non rectified)</i>	ASTM C499	Range of Thickness (inch)	0.040	≤ 0.040	
	ASTM C499	Average Facial Dimension	± 0.50%	≤ ± 0.50%	
	ASTM C485	Warpage	± 75% on any edge	≤ ± 0.75%	
	ASTM C485	Warpage	± 50% on diagonal	≤ ± 0.50%	
	ASTM C502	Warpage	± 0.50%	≤ ± 0.50%	
<i>Rectified</i>	ASTM C499	Range of Thickness (inch)	0.040	≤ 0.040	
	ASTM C499	Average Facial Dimension	± 0.25%	≤ 0.25%	
	ASTM C485	Warpage	± 0.40% on any edge	≤ 0.40%	
	ASTM C485	Warpage	± 0.40% on diagonal	≤ 0.40%	
	ASTM C502	Wedging	± 0.25%	≤ 0.25%	
Bond Strength	ASTM C482	50 psi or greater		> 200 psi	
Deep Abrasion	ASTM C1243	< 175 mm <sup>3</sup>		< 150 mm <sup>3</sup>	
Hardness (Mohs scale)		<i>No requirement</i>		≥ 7	
Frost Resistance (Freeze/Thaw)	ASTM C1026	No sample must show alterations to surface		No cracking or spalling occurred	
Chemical Resistance	ASTM C650	<i>No requirement</i>		Class A	
Breaking Strength	ASTM C648	250 lbf or greater		≥ 350 lbf	
Coefficient of Friction (static)	ASTM C1028	<i>No requirement</i>		<b>C1028 COF</b> Dry ≥ 0.75* Dry ≥ 0.80** Wet ≥ 0.60	<b>Acutest COF</b> Wet ≥ 0.42

Data taken from a representative colored body collection.

Coefficient of Friction: All values given are for matte or honed material. No values are given for polished material. DuChâteau does not recommend polished surfaces in areas subject to exposure from grease, oil or water. (All values are based on ASTM C1028 and Acutest DCOF.)

\* Applies to the following products: Palermo, Carrara, Ferrara & Padua.

\*\* Applies to the following products: Monza, Capri & Modena.



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*Unlike any other*

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