

**Series: BACK 2 BACK**

ANSI A137.1-2012 standards Porcelain tiles with low water absorption Class P1.

Technical feature	Standard Method	Requirements	Emilceramica Values		
<b>CALIBER RANGE - Rectified</b>	ASTM C499	± 0.25% or 0.03 in (0.8 mm) <sup>1</sup>	± 0.20%		
<b>THICKNESS<sup>2</sup></b>		Range: ± 0.04 inch (1.02 mm)	COMPLIANT		
<b>WEDGING - Rectified</b>	ASTM C502	± 0.25% or 0.03 in (0.8 mm) <sup>1</sup>	± 0.15%		
<b>WARPAGE EDGE - Rectified</b>	ASTM C485	± 0.40% or 0.05 in (1.3 mm) <sup>3</sup> or 1.8 mm <sup>4</sup>	±0.25%		
<b>BREAKING STRENGTH</b>	ASTM C648	Average ≥ 250 lbf. (1.11 kN)/ Individual ≥ 225 lbf. (1.00 kN)	COMPLIANT		
<b>WATER ABSORPTION</b>	ASTM C373	≤ 0.50%	COMPLIANT		
<b>THERMAL SHOCK<sup>5</sup></b>	ASTM C484	PASS	PASS		
<b>RESISTANCE TO FREEZE/TAW CYCLING<sup>6</sup></b>	ASTM C1026	AS REPORTED	NO DAMAGE		
<b>RESISTANCE TO DEEP ABRASION</b>	ASTM C1243	Max value (loss in mm <sup>3</sup> ) : 175	COMPLIANT		
<b>CHEMICAL RESISTANCE</b>	ASTM C650	AS REPORTED	NOT AFFECTED		
<b>STAIN RESISTANCE</b>	ASTM C1378 CTI81-7D	AS REPORTED	NOT AFFECTED		
<b>DINAMIC COEFFICIENT OF FRICTION</b>	section 9.6	<b>0.42<sup>7</sup></b>	<b>Naturale*</b>	<b>Dry</b>	<b>Wet</b>
			<b>Lappato</b>	<b>0.80</b>	<b>0.67</b>
			<b>0.74**</b>	<b>0.44***</b>	

\* Values obtained with certificate n° 3638/2012. Date 10/26/2012.

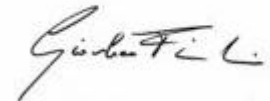
\*\* Values obtained with certificate n° 4327/2012. Date 12/20/2012

\*\*\* Product tested in Emilceramica's Laboratory on October 08<sup>th</sup>, 2013 by the Boot3000 device with DCOF setting. Item: 606H1P, sh. 55.

*Fiorano Modenese, October 08<sup>th</sup>, 2013*

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<sup>1</sup> Whichever is less.

<sup>2</sup> May not apply to textured surfaces or tiles with uneven back patterns.

<sup>3</sup> Whichever is less, for tiles up to 24" x 24" (610 mm x 610 mm)

<sup>4</sup> Applies to tiles larger than 24" x 24" (610 mm x 610 mm)

<sup>5</sup> Glazed tile only.

<sup>6</sup> When installation subject to freeze/thaw conditions.

<sup>7</sup> For Level interior spaces expected to be walked upon when wet (see Section 6.2.2.1.10)