

LATTICE COLLECTION

Size:	80x80
Thickness:	10,3 mm
Side:	Nat. - Rett.
Surface:	Natural

Product Group: **Porcelain tile BIa - Porcelain stoneware dry pressed with water absorption $\leq 0,5\%$**

Technical Characteristics	Test Method	EN 14411:2016 Annex G Required for BIa - GL		average value
<i>Lenght and width</i>	<i>ISO 10545-2</i>	$\pm 0,6\%$	$\pm 2,0 \text{ mm}$	<i>Conform</i>
<i>Straightness of sides</i>	<i>ISO 10545-2</i>	$\pm 0,5\%$	$\pm 1,5 \text{ mm}$	<i>Conform</i>
<i>Rectangularity</i>	<i>ISO 10545-2</i>	$\pm 0,5\%$	$\pm 2,0 \text{ mm}$	<i>Conform</i>
<i>Flatness- Centre curvature</i>	<i>ISO 10545-2</i>	$\pm 0,5\%$	$\pm 2,0 \text{ mm}$	<i>Conform</i>
<i>Flatness - Edge curvature</i>	<i>ISO 10545-2</i>	$\pm 0,5\%$	$\pm 2,0 \text{ mm}$	<i>Conform</i>
<i>Flatness - Warpage</i>	<i>ISO 10545-2</i>	$\pm 0,5\%$	$\pm 2,0 \text{ mm}$	<i>Conform</i>
<i>Thickness</i>	<i>ISO 10545-2</i>	$\pm 5\%$	$\pm 0,5 \text{ mm}$	<i>Conform</i>
<i>Surface quality</i>	<i>ISO 10545-2</i>	<i>Minimum 95%</i>		<i>Conform</i>
<i>Water absorption</i>	<i>ISO 10545-3</i>	<i>Maximum 0,5%</i>		<i>Conform</i>
<i>Modulus of rupture</i>	<i>ISO 10545-4</i>	$> 35 \text{ N/mm}^2$		<i>Conform</i>
<i>Breaking Strenght</i>	<i>ISO 10545-4</i>	$> 1300 \text{ N}$		<i>Conform</i>
<i>Impact resistance</i>	<i>ISO 10545-5</i>	<i>Declared value</i>		$\sim 0,89 \text{ (COR)}$
<i>Linear thermal expansion</i>	<i>ISO 10545-8</i>	<i>Declared value</i>		$\alpha = \sim 6,4 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
<i>Thermal shock resistance</i>	<i>ISO 10545-9</i>	<i>Pass</i>		<i>Conform</i>
<i>Moisture Expansion</i>	<i>ISO 10545-10</i>	<i>Declared value</i>		$\sim 0,04 \text{ mm/m}$
<i>Crazing Resistance</i>	<i>ISO 10545-11</i>	<i>Pass</i>		<i>Conform</i>
<i>Frost resistance</i>	<i>ISO10545-12</i>	<i>Pass</i>		<i>Conform</i>
<i>Chemical resistance</i>	<i>ISO 10545-13</i>	<i>Minimum class GB</i>		<i>Conform</i>
<i>Stain resistance</i>	<i>ISO 10545-14</i>	<i>Minimum class 3</i>		<i>Conform</i>
<i>Release of dangerous substances</i>	<i>ISO 10545-15</i>	<i>Declared value</i>		$\text{Cd} < 0,01 \text{ mg/dm}^2$
<i>Release of dangerous substances</i>	<i>ISO 10545-15</i>	<i>Declared value</i>		$\text{Pb} < 0,1 \text{ mg/dm}^2$
<i>Fire reaction - floor</i>	<i>EN 13823</i>	<i>Not Required</i>		<i>A1fl class (No reaction)</i>
<i>Fire reaction - wall</i>	<i>EN 13824</i>	<i>Not Required</i>		<i>A1 class (No reaction)</i>
Safety Features				
<i>Oil ramp slip resistance</i>	<i>DIN51130</i>	<i>Not Required</i>		<i>R9 (40x80 - 80x80) R10 (15x30)</i>
<i>Barefoot ramp slip resistance</i>	<i>DIN51097</i>	<i>Not Required</i>		<i>A</i>
<i>Dynamic coefficient of Friction DCOF</i>	<i>ANSI A137.1</i>	<i>Wet value $\geq 0,42$</i>		<i>Conform</i>
<i>Determination of sliperness BCR tortus</i>	<i>DM 236-89</i>	$> 0,40$		<i>Conform</i>

In compliance with the above mentioned Technical details, we certified that the material is fully produced in Italy