



# GRETEC TILES

CERAMIC, STONE & GLASS TECHNOLOGY

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## Grestone Collection Technical Characteristics

<b>CLASSIFICATION IN ACCORDANCE WITH CEN STANDARDS - EN176</b>			
<b>Technical Characteristic</b>	<b>Standard</b>	<b>Values required by the Standards</b>	<b>Grestone Collection values</b>
<b>Water absorption</b>	EN 99	≤ 0.5% Tiles of the B1 category and fully vitrified	0.02% - 0.04%
<b>Size:</b> <b>Length and width</b> <b>Thickness</b> <b>Linearity</b> <b>Wedging</b> <b>Warpage</b>	EN 98	± 0.6% max ± 5% max ± 0.5% max ± 0.6% max ± 0.5% max	± 0.2 % ± 5 % ± 0.2 % ± 0.2 % ± 0.2 %
<b>Bending strength</b>	EN 100	≥ 27 N/mm <sup>2</sup>	55 N/mm <sup>2</sup>
<b>Deep abrasion resistance</b>	EN 102	≤ 205mm <sup>3</sup>	130mm <sup>3</sup>
<b>Thermal linear expansion</b>	EN 103	≤ 9	6.2
<b>Resistance to thermal shock</b>	EN 104	No sample must show visible alteration	No visible alteration Resistant
<b>Resistance to chemical attack</b>	EN 106	No sample must show visible signs of chemical attack	No visible signs of chemical attack Unaffected
<b>Frost resistance</b>	EN 202	No sample must show breaks or visible alterations to the surface	No breaks or visible alterations to the surface Frost-proof
<b>Resistance of colour to light</b>	DIN 51094	No noticeable colour change must take place	No change in brightness or colour of samples
<b>Anti-slip</b>	DIN 51130 CEC 6/81	0.40 ≤ μ ≤ 0.74	R9 Satin finish R10 & R11 Structured finish 0.42 - 0.75
<b>Stain resistance after abrasion and abrasion plus chemical attack</b>	Centro Ceramico Bologna Pr.CCB T/Re.C.A. -010.696		Class 6 Surface completely restored to the pristine aspect.