



**FLOOR TILES**  
**DRY - PRESSED CERAMIC TILES  $0,5\% \leq E \leq 3\%$**   
**GROUP Bib ( GL ). ANNEX H**

<b>TECHNICAL PROPERTIES</b>	<b>EN 14411 H Bib</b>	<b>CERAMICA EMPOLI</b>
Dimensions and surface quality Length and width size Tolerance (%)	$190 < S \leq 410$ $\pm \% 0,5$	$\pm \% 0,4$ Average : 20 or 40 tile
Thickness (%)	$190 < S \leq 410$ $\pm \% 5$	$\pm \% 3$ Average : 20 or 40 tile
Deviation of square (rectangularity) (%)	$190 < S \leq 410$ $\pm \% 0,6$	$\pm \% 0,5$ Average : 20 or 40 tile
Straightness of Sides (mm)	$190 < S \leq 410$ $\pm \% 0,5$	$\pm \% 0,4$ Average : 20 or 40 tile
Water Absorption %	$\% < 0,5 \leq \% 3$ Percent by mass Max.% 3,3	Average: % 1,5 Percent by mass Max.% 3,0
Breaking strength Modulus of Rupture (N/mm <sup>2</sup> )	Min.30 N/mm <sup>2</sup> Percent by mass Min: 27 N/mm <sup>2</sup>	Min: 35,5 N/mm <sup>2</sup> Percent by mass Min: 33 N/mm <sup>2</sup>
Scratch Hardness (MOHS)	Indicated by manufacturer	Min: 6
Abrasion Resistance (PEI)	Indicated by manufacturer	MIN.IV
Coefficient of linear thermal expansion	Max. $9 \times 10^{-6}$	Max. $9 \times 10^{-6}$
Resistance to Thermal Shock	It should be resistant.	Required
Crazing Resistance in Glazed Tiles	It should be resistant. (5 ATM. / Pressure ,2 /Hours)	Required
Frost Resistance	It should be resistant.	Required
Resistance to Acids and Alkalis	Indicated by manufacturer	Min.Class B
Resistance to Staining in Glazed Tiles	Min. Class III	Min. Class III
Resistance Household Chemicals	Min. Class GB	Min. Class GB
Surface Flatness	Centre curvature: $\pm 0,5 \%$ Edge curvature : $\pm 0,5 \%$ Warpape : $\pm 0,5\%$	Centre curvature : $\pm 0,5 \%$ Edge curvature : $\pm 0,5 \%$ Warpape : $\pm 0,5\%$
Surface Quality	5% Defective	4% Defective

Conforms to EN 14411 standard