



CENTRO CERAMICO BOLOGNA

CENTRO DI RICERCA E SPERIMENTAZIONE PER L'INDUSTRIA CERAMICA

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TECHNICAL CHARACTERISTICS ACCORDING TO ANSI A 137.2
of mesh mounted **MOSAIC GLASS TILE** 2,3 x 2,3 x 0,8 CM (1" x 1" x 2/7")
TRASPARENZE Collection. Vitrex spa

Note: the sheets are blended with varying glass tile colors (transparent glass, decorated on the backside with glaze or precious metals or metallized on the surface). The same tests were carried out (when applicable) to have a complete picture of the performance of a sheet.

Characteristics	Test method	Requirements ANSI A 137.2 - for glass tile only	Results ⁽¹⁾ (Average value)
Water absorption	ASTM C 373	≤ 0,5 %	0,01 %
Breaking strength	ANSI C 648	Average Value > 350 lbf (1557 N)	1010 PSI (4500 N)
Resistance to surface abrasion (PEI)	ASTM C 1027	As reported	Class 4
Linear Thermal exp. Coeff. x 10 ⁻⁶ K ⁻¹	ASTM C 372	As reported	8,5 – 8,6
Thermal shock	ANSI A 137.2 - § 7.9	Required	Pass
Crazing resistance ⁽²⁾	ASTM C 424	Required	Pass
Resistance to freeze/thaw cycling	ASTM C 1026	Required	Pass
Bond strength ⁽³⁾	ASTM C 482	Dry ≥ 150 PSI (1 N/mm ²) Wet ≥ 100 PSI (0,7 N/mm ²)	Dry: 335 PSI (2,31N/mm ²) Wet: 323 PSI (2,23N/mm ²)
Chemical resistance	ASTM C 650	As reported	Pass
Stain resistance	ASTM C 1378	As reported	Cleanable
Dimensional regularity	ASTM C 499	Nominal size: + 10% Caliber range: ± 5% Dev from avg thickness: ± 5,0% / ± 0,015in (0,38 mm)	Complies
Warpage edge	ASTM C 485	± 1,50 %	Complies
Warpage Diagonal	ASTM C 485	± 1,50 %	Complies
Wedging	ASTM C 485	± 2,00 %	Complies
Static coefficient of friction (SCOF)	ASTM C 1028	As reported	More than 0,60 in dry and wet condition

(1) Test reports by **Centro Ceramico Bologna**

(2) Amended as set out in ANSI A 137.2 - § 5.2.3.2

(3) Bonding material: Adesilex P10 – Mapei.

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