


















TECNICAL FEATURES-COMPLIANT WITH STANDARDS EN 14411 (ISO 13006) ANNEX G GROUP BLA

TECHNICAL FEATURE		TEST METHOD	REQUIRED STANDARDS	09315 PORCELAIN TILE <b>Emporio</b>
Fire Resistance		CEE DECISION 96/603 AND ITS AMENDEMENTS	Fireproof	<b>CLASS A1</b>
Nontoxic Determination of the sale of lead and cadmium		ISO 10545/15-00	Test method available	Conforms
Index of radioactivity		UNI 10797:1999	Class A I≤1,3 - I≤1,0 Class B I≤1,9 - I≤1,3	Non-radioactive
Size characteristics		ISO 10545-2	Length and width ± 0,6% Thickness ± 5% Wedging ± 0,6% Flatness ± 0,5%	± 0,3% 190cm <sup>2</sup> -549cm <sup>2</sup> ± 0,5% ± 3% ± 2% Ground to size ± 0,15% ± 0,3%
Water absorption		ISO 10545-3	E ≤ 0,5%	E ≤ 0,2%
Breaking strength		ISO 10545-4	≥ 35 N/mm <sup>2</sup> min. ≥ 355 kg/cm <sup>2</sup>	≥ 50 N/mm <sup>2</sup> ≥ 510 kg/cm <sup>2</sup>
Impact resistance - Coefficient of restitution		ISO 10545-5	Test method available	> 0.80
Frost proof		ISO 10545-12	Request	Resistant
Linear thermal expansion coefficient		ISO 10545-8	Test method available	α ≤ 7 x 10 <sup>-6</sup> °C <sup>-1</sup>
Resistance to thermal shocks		ISO 10545-9	Test method available	Resistant
Moisture expansion: in mm/m		ISO 10545-10	Test method available	≤ 0,06%
Crazing resistance (glazed tiles)		ISO 10545-11	Request	Resistant
Mohs hardness		ENI 101	≥ 6	> 7
Resistance to chemicals		ISO 10545-13	Glazed Tiles According to manufacturer's classification	Resistant
Resistance to household chemicals		ISO 10545-13	Glazed tiles	≥ GB UA Resistant
Stain resistance		ISO 10545-14	Glazed tiles	≥ GB UA Resistant
Antislip class		DIN 51130	Depending on the environment or the working area	R9

TYPE	GLAZED PORCELAIN
SIZES	THICKNESS
17 <sup>11</sup> / <sub>16</sub> x17 <sup>11</sup> / <sub>16</sub>	<sup>11</sup> / <sub>16</sub>
11 <sup>11</sup> / <sub>16</sub> x17 <sup>11</sup> / <sub>16</sub>	<sup>11</sup> / <sub>16</sub>
11 <sup>11</sup> / <sub>16</sub> x11 <sup>11</sup> / <sub>16</sub>	<sup>11</sup> / <sub>16</sub>
5 <sup>11</sup> / <sub>16</sub> x11 <sup>11</sup> / <sub>16</sub>	<sup>11</sup> / <sub>16</sub>
5 <sup>11</sup> / <sub>16</sub> x5 <sup>11</sup> / <sub>16</sub>	<sup>11</sup> / <sub>16</sub>











Made in Italy




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TECHNICAL CHARACTERISTICS GLAZED PORCELAIN ANSI 137.1

TECHNICAL CHARACTERISTICS		TEST METHOD	ANSI 137.1 Values required for glazed impervious porcelain tiles	VALUES GLAZED PORCELAIN
Water absorption (E)		ASTM C373	E ≤ 0,5%	Conforms
Breaking strength (S)		ASTM C648	≥ 250 Lbs	Conforms
Resistance to surface abrasion (PEI)		ASTM C1027	Not required	PEI IV
Linear thermal expansion coefficient		ASTM C372	Not required	α ≤ 8 x 10 <sup>-6</sup> °C <sup>-1</sup> α ≤ 4,4 x 10 <sup>-6</sup> °C <sup>-1</sup>
Frost proof		ASTM C1026	No alterations	Resistant
Resistance to chemicals		ASTM C650	Not required	Resistant
Stain resistance		CTI 81-7 Annexe D	Not required	Resistant
Slip resistance (coefficient of static friction Fc)		ASTM C1028	Fc < 0.50 Questionable 0.50 ≤ Fc < 0.60 Conditionally slip resistant Fc ≥ 0.60 Slip resistant	DRY ≥ 0.65 WET ≥ 0.60

All Novabell products meet or exceed all standards in ANSI A 137.1  
Due to the inherent nature of fired porcelain tile, it is important to note that the coefficient of friction may vary within and between product runs.

 Frost-resistant

 ADA Compliant