



Main Laboratory Sassuolo
Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità



Customer: TUSCANIA S.P.A.
Via Giardini Sud, 4603
41028 Serramazzoni (MO)

DEVON TESTS REPORT

Technical standards EN 14411/ISO 13006/ISO 10454

Scandiano: 30/10/2019

Product: **DEVON 20.2X122.2**

Product Group: **Glazed Porcelain Tiles, Group Bla-GL**

Test specification	Referring standards	Results
Water absorption (E)	ISO 10545-3	$\leq 0,2\%$
Determination of modulus of rupture and breacking strength	ISO 10545-4	$\geq 47,8 \text{ N/mm}^2$ Sm (N) 2019
Chemical resistance to acids and alkalis to high (H) and low (L) concentrations	ISO 10545-13	GLA, GHA (Resistant)
Chemical resistance to household products	ISO 10545-13	GA (Resistant)
Resistance to stains	ISO 10545-14	5 (Resistant)
Frost resistance	ISO 10545-12	Resistant
Dimensional control – Length and width	ISO 10545-2	$\pm 0,6\%$
Dimensional control – Straightness of the sides	ISO 10545-2	$\pm 0,3\%$
Dimensional control – Squareness	ISO 10545-2	$\pm 0,3\%$



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Dimensional control – Flatness	ISO 10545-2	±0,5%
Dimensional control – Thickness	ISO 10545-2	±5%
Shade Variation	ANSI A137 1	V 2
Reaction to fire – wall installation	EN 13823	Class A1 (fireproof)
Reaction to fire – floor installation	EN 13823	Class A1fl (fireproof)
Thermal conductivity	EN 12524	$\lambda = 1,3 \text{ W/m} \cdot ^\circ\text{K}$
Linear Thermal Expansion	ISO 10545/8	$= < 9 \times 10^{-5} \text{ YC}^{-1}$
Abrasion Resistance	ISO 10545/7	PEI 3
Thermal Shock Resistance	ISO 10545/9	Resistant
Crazing resistance	ISO 10545/1	Resistant
Surface Quality	ISO 10545/2	% without defect 100
Lead and cadmium release	ISO 10545/15	NPD (no provided)
Moisture expansion		NPD (no provided)
Impact resistance	ISO 10545/5	0,85
Back Feet		No provision

Fine rapporto



IL DIRETTORE
Prof. L. Sinigaglia