

Range Name:

Castello Travertine

Ref: TDS-Castello Travertine-26D3

Technical specification of dry pressed ceramic wall tiles manufactured in accordance with the EN 14411 standard, Blll group.

Physical Properties	Result
Group	Blll
Values According To	EN14411
Material	Sintered Floor Tile
Colours	Ivory

Finish	Relief Matt
Size Formats (mm)	30x60 cm(Nominal) - 598x298mm (Declared)
Thickness (mm)	10mm
Rectified	Yes

Technical Properties	Standard	EN 14411: annex G Bla	Factory
Tolerance - Length/width	ISO 10545-2	± 0.6%	±0.4%
Tolerance - Thickness	ISO 10545-2	± 5%	± 5%
Tolerance - Straightness	ISO 10545-2	± 0.5%	± 0.25%
Tolerance - Rectangularity	ISO 10545-2	±0.6%	±0.3%
Tolerance - Surface flatness	ISO 10545-2	± 0.5%	±0.25%
Surface quality	ISO 10545-2	Min. 95%	Min. 95%
Water absorption	ISO 10545-3	E<0.5%,ind.max 0.6%	E<0.3%,ind.max 0,49
Breaking strength	ISO 10545-4	>= 7.5 mm min. 1300 N	>=2000 N
Modulus of rupture	ISO 10545-4	Min. 35 N/mm²	Min. 40 N/mm²
		Ind.min. 32 N/mm²	Ind.min. 32 N/mm²
Resistance to deep abrasion (UGL)	ISO 10545-6	Not required	Not tested
Resistance to surface abrasion (GL)	ISO 10545-7	Declared value	PEI 5
Coefficient of linear thermal expansion	ISO 10545-8	Declared value	Max. 0.000008 / K
Thermal shock resistance	ISO 10545-9	Required	Resistant
Crazing resistance	ISO 10545-11	Required	Resistant
Freeze-thaw resistance	ISO 10545-12	Declared value	Satisfactory
Durability for: internal use	EN 14411	Pass	Pass
Slipperiness (bare feet)	EN 16165	Declared value	A
Slipperiness (shod feet)	EN 16165	Declared value	R10

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Coefficient of friction (dry)	EN 16165	Declared value	>=0.6
Coefficient of friction (wet)	EN 16165	Declared value	>=0.5
Discharge volume	DIN 51 097	Declared value	Not relevant
Bond strength/adhesion-cem. adhesives	EN 12004:2007+A1:2012	Declared value	>=1.0 N/mm²
Bond strength/adhesion-dispers. adhesiv.	EN 12004:2007+A1:2012	Declared value	NPD
Bond strength/adhesion-rea. resin adhes.	EN 12004:2007+A1:2012	Declared value	NPD
Bond strength/adhesion-mortar	EN 12004:2007+A1:2012	Declared value	NPD
Moisture expansion	ISO 10545-10	Declared value	0.2 mm/m
Light reflectance value LRV	ISO 10545-18	Not required	
Impact resistance: Coef. of restit.	ISO 10545-5	Declared value	Min. 0.6
Reaction to fire	no testing 96/603 EHS	Class A1-A1FL	Class A1-A1FL
Tactility	CEN/TS 15209	Declare surface description	Not relevant
Resistance to staining	ISO 10545-14	Min. 3	Min. 3
Resistance to low conc.of acids/alkalis	ISO 10545-13	Declared value	A
Resistance to high conc.of acids/alkalis	ISO 10545-13	Declared value	B
Resist. to house. chem. and swim. pool	ISO 10545-13	Min. B	A
Release of dang.subs. : Cadmium (GL)	ISO 10545-15	Declared value	NPD
Release of dang.subs. : Lead (GL)	ISO 10545-15	Declared value	NPD
Surface hardness according to Mohs	EN 101	Declared value	Min. 7
The reference life (RSL)	ISO 14 025/EN 15804	50 years	50 years
Assessment of nat.radionuclide content	CZ Imp.422/2016	Max. index 1,0	Max. index 1.0

