

Range Name:
Lume

Ref: PE-TDS-Lume-26I1.1
*Technical specification of dry pressed ceramic wall tiles
manufactured in accordance with the EN 14411 standard, BIII group.*

Physical Properties	Result
Group	Bl _a
Values According To	EN14411
Material	Porcelain
Colours	Cobalto, Magma , Malachite, Ossidiana, Petrolio, Pomice
Finish	Polished
Size Formats (mm)	3240x1620mm, 3200x1600mm, 1200x2780mm
Thickness (mm)	6mm, 12mm
PEI Rating	3

Technical Properties	Testing Standard	Values
Length and Width (*)		
Rectified	ISO 10545-2	Compliant
Not Rectified	ISO 10545-2	Compliant
Thickness		
Rectified	ISO 10545-2	Compliant
Not Rectified	ISO 10545-2	Compliant
Straightness of Sides		
Rectified	ISO 10545-2	Compliant
Not Rectified	ISO 10545-2	Compliant
Rectangularity		
Rectified	ISO 10545-2	Compliant
Not Rectified	ISO 10545-2	Compliant
Surface Flatness C.C. - E.C. - W.		
Rectified	ISO 10545-2	Compliant
Not Rectified	ISO 10545-2	Compliant
Surface Quality		≥95%

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Technical Properties	Testing Standard	Values
Water Absorption	EN ISO 10545-3	$E_b \leq 0.5\%$
Flexural Strength (S) and Modulus of Rupture (R)	EN ISO 10545-4	For Thickness $< 7,5\text{mm}$ $S \geq 700\text{ N}$ $R \geq 35\text{ N/mm}^2$
Crazing Resistance	EN ISO 10545-11	Complies with the standards
Linear Thermal Expansion Coefficient	EN ISO 10545-8	$\leq 9 \times 10^{-6} \text{C}^{-1}$
Thermal Shock Resistance	EN ISO 10545-9	Complies with the standards
Frost Resistance	EN ISO 10545-12	Complies with the standards
Reaction to Fire	-	Floor/wall: class A1 FL/ A1 Slab with mesh: Floor/wall Class A2FL-s1/A2-s1,d0
Colour Resistance to Light Exposure	DIN 51094	Complies with the standards
Chemical Resistance	EN ISO 10545-13	-
Testing Standard 1	Minimum B (EN 14411:2016) Minimum B (ISO 13006:2018)	A
Testing Standard 2	Declared value (EN 14411:2016) Test method available (ISO 13006:2018)	LA-LB
Testing Standard 3	Declared value (EN 14411:2016) Test method available (ISO 13006:2018)	HA-HB
Stain Resistance	EN ISO 10545-14	Class 5

