Claybrook.

LUCERNE

Technical Data Sheet	
Range	Lucerne
Material	Gres fine Porcelain
Sizes	200x1200 mm
Finish	Natural R10 A
Thickness	10 mm
Use: WALL/FLOOR	Wall and Floor

Technical Characteristics	Industry Standard	Requirement	Actual Value
Dimension and Surface Quality			
Length and width	UNI EN ISO 10545-2	0.60%	0.15%
Thickness	UNI EN ISO 10545-2	+ or - 5%	5%
Edge straightness	UNI EN ISO 10545-2	+ or - 50%	0.10%
Orthogonity (squareness)	UNI EN ISO 10545-2	+ or - 50%	0.20%
Planarity (flatness)	UNI EN ISO 10545-2	+ or - 50%	0.35%
Appearance		> or - 95%	at least 95% of the tiles must be free of visible flaws (and it is)
Product Quality and Durability			
Water absorption	UNI EN ISO 10545-3	< or - 0.5%	0.04%
Modulus of rupture (bending strength)	UNI EN ISO 10545-4	> or - 35 N/mm2	53N/ mn2
Breaking strength	UNI EN ISO 10545-4	> or - 1300 N	
Resistane to deep abrasion	UNI EN ISO 10545-6	< 175 mm3	< 128 mm3
Resistane to surface abrasion	UNI EN ISO 10545-7	PEI	UGL (no PEI)
Thermal shock resistance	UNI EN ISO 10545-9	Test method available	No damage
Crazing resistance	UNI EN ISO 10545-11	Test method available	
Frost resistance	UNI EN ISO 10545-12	No alteration to surface	No alteration
Chemical resistance -Low Concentrations of Acids and Alkaline	UNI EN ISO 10545-13 UNI EN ISO 10545-13	No visible signs to surface	UA ULA UHA
Chemical resistance - Domestic Chemicals	UNI EN ISO 10545-14	GB min,	Class 5
Stain resistance - Domestic Chemicals	UNI EN ISO 10545-14	Min Class 3	Class 5

SLIP RESISTANCE: Areas with footwear	UNI EN ISO 10545-17 (DIN51130)	R9 from 3 to 10 degrees	
		R10 over 10 to 19 degrees	R 10 A
		R11 over 19 to 27 degrees	
		R12 over 27 to 35 degrees	
		R13 over 35 degrees	

Additional info required for 2cm thick tiles			
Breaking Strength	EN180 10545-4		
Bending Strength	EN180 10545-4		
Point Load	EN 12825		
Resistance to Abrasion	EN180 10545-6		

If you require any further assistance regarding specification data, technical advice or samples, please contact us at specification@claybrookstudio.co.uk