

TECHNICAL DATA SHEET LITHOTECH

Reference: **BEREN LIGHT GREY, BEREN BLACK**

Size: 1620x3240 mm

Thickness: 12 mm

TECHNICAL CHARACTERISTICS		REFERENCE STANDARD	REQUIRED VALUE FINISH SOFT
Dimensional characteristics	Dimensions - Length and width	ISO 10545-2	±2,0mm
	Thickness		±0,5 mm
	Flatness Tolerance Width Slab		±2,0mm
	Flatness Tolerance Length Slab		±2,0mm
Physical characteristics	Water absorption	ISO 10545-3	<0.1%
	Modulus of Rupture	ISO 10545-4	> 50 N/mm ²
	Breaking Strength		5700
	Impact Resistance	ISO 10545-5	0.80
	Resistance to superficial abrasion	ISO 10545-7	PEI 3
	Lineal Thermal Expansion	ISO 10545-8	5,7 x 10 ⁻⁶ °C ⁻¹
	Thermal Shock Resistance	ISO 10545-9	No effects or changes
	Coefficient of Expansion	ISO 10545-10	< 0,1 mm/m
	Frost Resistance	ISO 10545-12	Resistan
	Surface Hardness (MOHS)	UNE 67 -101 (EN 101)	7 degree MOHS
Chemical characteristics	Resistance to Cleaning Products	ISO 10545-13	GA
	Resistance to Swimming Pool Salts	ISO 10545-13	GA
	Low Concentration Acids and Bases	ISO 10545-13	GLA
	High Concentration Acids and Bases	ISO 10545-13	GHA
	Stain Resistance	ISO 10545-14	Class 5
Lead and Cadmium Release	Lead Concentration	ISO 10545-15	<0,01 mg/dm ²
	Cadmium Concentration		<0,001 mg/dm ²
UV Resistance	Color Change	DIN 51094	No Changed
Anti-Slip Properties	Critical Angle with footwear	DIN 51130	Class R9
	Critical Angle Barefoot	DIN 51097	Class A
	Dynamic Coefficient of Friction	ANSI A137.1	> 0,45
	Slip Resistance (Pendulum Method)	UNE-ENV 12633	Class 1