













TECHNICAL CHARACTERISTICS

# LITHOS 10mm

	NATURAL	SOFT
	<b>SLIP RESISTANCE</b>	
DIN 51130	R10	-
DIN 51097	-	-
BCR-TORTUS	$\mu > 0,40$	-
ANSI A326.3	DCOF $\geq 0.42$	-
	<b>MODULUS OF RUPTURE Average value</b>	
ISO 10545-4	50 N/mm <sup>2</sup>	50 N/mm <sup>2</sup>
ASTM C1505	$\geq 6.000$ PSI	$\geq 6.000$ PSI
	<b>STAIN RESISTANCE</b>	
ISO 10545-14	5 Resistente Resistant	5 Resistente Resistant
ASTM C 1378	Class A Resistant	Class A Resistant
	<b>CHEMICAL RESISTANCE **</b>	
ISO 10545-13	LA-HA Resistente Resistant	LB-HB Resistente Resistant
ASTM C 650	Class A Resistant	Class C
	<b>DEEP ABRASION RESISTANCE Average value</b>	
ISO 10545-6 / ASTM C 1243	Conforme Compliant	Conforme Compliant
	<b>WATER ABSORPTION Average value</b>	
ISO 10545-3 / ASTM C 373	0,1%*	0,1%*
	<b>ROST RESISTANCE</b>	
ISO 10545-12 / ASTM C 1026	Resistente Resistant	Resistente Resistant
	<b>LINEAR THERMAL EXPANSION</b>	
ISO 10545-8	$\alpha \leq 7 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	
ASTM C 372	$\alpha \leq 4,4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1} / \alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	
	<b>FIRE REACTION</b>	
EN 13823	Classe / Class A2-s1,d0 (wall)	Classe / Class A2-s1,d0 (wall)
EN 9239-1	Classe / Class A2 fl-s1 (floor)	Classe / Class A2 fl-s1 (floor)
	<b>FLAME SPREAD</b>	
ASTM E84	Class A	Class A
	<b>ROBINSON FLOOR TESTER Average value</b>	
ASTM C627	$\geq 12$ cycles Heavy Commercial (Over Concrete)	$\geq 6$ cycles Light Commercial (Over Concrete)
	<b>THERMAL CONDUCTIVITY</b>	
EN 12524	$\lambda = 1,3 \text{ W/m}^2\text{K} / 0.7 \text{ BTU/ft h } ^\circ\text{F}$	
	<b>DESHADING</b>	
ANSI A137.3	V2	V2

MINIMUM SUGGESTED JOINT Refer to Kerlite Technical Manual

\* Excluding hydrofluoric acid and its derivatives.

\*\* Average value referred to ceramic material only.