

TEST	NORM	DETERMINATION	Unit	FINISH			
				SATIN	SILK	POLISHED	RIVERWASHED
Determination of Dimensions and Surface Quality	ISO 10545-2	Thickness*	mm	± 0,2	± 0,2	± 0,2	± 0,2
		Flatness Tolerance Width Slab	mm	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)
		Flatness Tolerance Length Slab	mm	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)
Water Absorption Capacity	ISO 10545-3	Absorption by Boiling*	%	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
		Density	gr/cm ³	2,4	2,4	2,4	2,4
Impact Resistance	ISO 10545-5	Coefficient of Restitution	-	0,8	0,8	0,6	0,8
Resistance to Deep Abrasion	ISO 10545-6	Lost Volume	mm ³	130	-	-	-
Resistance to superficial abrasion	ISO 10545-7	Visual Control	Class	PEI III	PEI II	PEI I	PEI II
Linear Thermal Expansion	ISO 10545-8	Expansion 25 - 100°C (Average)	10 ⁻⁶ . °C	5,7	5,7	5,7	5,7
Thermal Shock	ISO 10545-9	Damage	-	No Damage	No Damage	No Damage	No Damage
Moisture Expansion	ISO 10545-10	Coefficient of Expansion	mm/m	< 0,1	< 0,1	< 0,1	< 0,1
Frost Resistance	ISO 10545-12	Damage	-	No Damage	No Damage	No Damage	No Damage
Chemical Resistance	ISO 10545-13	Cleaning Products	Class	UA	GA	GA	GA
		Swimming Pool Salts	Class	UA	GA	GA	GA
		Low Concentration acids and bases	Class	ULA	GLA	GLB	GLA
		High Concentration acids and bases	Class	UHA	GHA	GHB	GHA
Stain Resistance	ISO 10545-14	Visual Control	Class	5	5	5	5
Lead and Cadmium Release	ISO 10545-15	Lead Concentration	mg/dm ²	<0,01	<0,01	<0,01	<0,01
		Cadmium Concentration	mg/dm ²	<0,001	<0,001	<0,001	<0,001
UV Resistance	DIN 51094	Color Change	-	No Change	No Change	No Change	No Change
Anti-slip Properties	DIN 51130	Critical Angle with footwear	Class	R9	R9	-	R10
	DIN 51097	Critical Angle barefoot	Class	A	A	-	A

* Slabs without mesh.

Thickness Specific Characteristics.

TEST	NORM	DETERMINATION	Unit	3600 x 1200						3200 x 1500		
				3mm	3+	6mm	6+	3+3	6+3	6+6	6+	12mm
Weight	-	Grammage	Kg/m ²	7	8	14	15	16	23	30	14	29
		Mass	Kg	34	38	67	72	76	110	143	72	148
Flexural Strength	ISO 10545-4	Breaking Strength (Average)	N	353	430	1449	1502	1337	2735	3149	2352	5451
		Modulus of Rupture (Average)	N/mm ²	48	54	48	53	47	57	47	57	51

The above information is derived from periodic tests taken on actual product from the manufacturing process. The data is current and accurate to the best of our knowledge. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. For more information on Neolith visit www.neolith.com.