



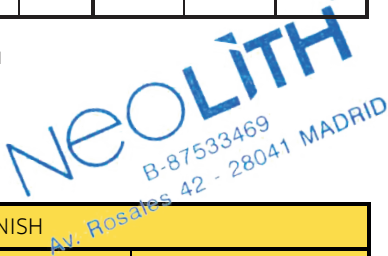
TEST	NORM	DETERMINATION	Unit	FINISH			
				SATIN	SILK	POLISHED	RIVERWASHED
Determination of Dimensions and Surface Quality	ISO 10545-2	Thickness ⁽¹⁾	mm	± 0,2	± 0,2	± 0,2	± 0,2
		Flatness Tolerance Width Slab	mm	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)
		Flatness Tolerance Length Slab	mm	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)
		Dimension Tolerance ⁽²⁾	mm	± 1 (0,2%)	± 1 (0,2%)	± 1 (0,2%)	± 1 (0,2%)
Water Absorption Capacity	ISO 10545-3	Absorption by Boiling*	%	≤ 0,1	≤ 0,1	≤ 0,1	≤ 0,1
		Density	gr/cm³	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	mm³	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/dm²	<0,01	<0,01	<0,01	<0,01
		Cadmium Concentration	mg/dm²	<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 ⁽³⁾	DIN 51130	Critical Angle with footwear	Class	R9	R9	-	R10
	DIN 51097	Critical Angle barefoot	Class	A	A	-	A
	ANSI A137.1	Dynamic Coefficient of Friction	-	0.41 – 0,57	0,42	0,21	0,53

(1) Slabs without Mesh
(2) Slabs/tiles Cut-to-Size
(3) Anti-slip treatment available

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	20m m
Weight	-	Grammage	Kg/m²	7	8	14	15	16	23	30	15	29	48
		Mass	Kg	34	38	67	72	76	110	143	77	148	245
Flexural Strength	ISO 10545-4	Breaking Strength (Average)	N	353	430	1449	1807	1337	2735	3149	1807	5451	15748
		Modulus of Rupture (Average)	N/mm²	48	54	48	53	47	57	47	57	51	55

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.



TEST	ASTM	Ud.	FINISH			
			SATIN	SILK	PULIDO	RIVERWASHED
Moisture Expansion	ASTM C370-12 (2016)	%	<0,1%	<0,1%	<0,1%	*PTR
Linear Thermal Expansion	ASTM C372-94 (2016)	(x10-6) °C-1	5,725	5,9	5,65	*PTR
Water Absorption Capacity	ASTM C373-16	%	0,18%	0,20%	0,16%	*PTR
Quartered Resistance	ASTM C424-93 (2016)	-	OK	OK	OK	*PTR
Thermal Shock	ASTM C484-99 (2014)	-	OK	OK	OK	*PTR
Chemical Resistance	ASTM C650-04 (2014)	-	OK	OK	OK	*PTR
Resistance to Superficial Abrasion	ASTM C1027-09	Class	*PTR	Clase 3	Clase 5	*PTR
Resistance to Deep Abrasion	ASTM C1243-93 (2015)	mm3	102,5	*PTR	*PTR	*PTR
Stain Resistance	ASTM C1378 (2014)	Class	*PTR	*PTR	*PTR	*PTR