

Technical data 6, 12 & 20mm

IN ACCORDANCE WITH STANDARDS EN 14411, ISO 13006

TEST	STANDARD	DETERMINATION	Units	FINISHES						
				Satin Silk ASR	Riverwashed Cava Slate	Rigato	Natural Touch Steel Touch	Decor Polished Ultrasoft	Matt	Wood
Dimensions and Surface Appearance Determination	ISO 10545-2	Thickness ⁽¹⁾	mm	± 0,5 (5%)	± 0,5 (5%)	± 0,5 (5%)	± 0,5 (5%)	± 0,5 (5%)	± 0,5 (5%)	± 0,5 (5%)
		Slab Width Flatness Tolerance	mm	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)	± 2 (0,1%)
		Slab Length Flatness Tolerance	mm	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)	± 4 (0,1%)
		Slab Dimensional Tolerance ⁽²⁾	mm	± 2 (0,6%)	± 2 (0,6%)	± 2 (0,6%)	± 2 (0,6%)	± 2 (0,6%)	± 2 (0,6%)	± 2 (0,6%)
Water Absorption	ISO 10545-3	Water Absorption ⁽¹⁾	%	0,01 - 0,1	0,01 - 0,1	0,01 - 0,1	0,01 - 0,1	0,01 - 0,1	0,01 - 0,1	0,01 - 0,1
		Apparent Density	g/cm ³	2,4 (±5%)	2,4 (±5%)	2,4 (±5%)	2,4 (±5%)	2,4 (±5%)	2,4 (±5%)	2,4 (±5%)
Impact Resistance	ISO 10545-5	Coefficient of Restitution	-	0,8	0,8	0,8	0,8	0,7	0,8	0,7
Resistance to Deep Abrasion	ISO 10545-6	Lost Volume	mm ³	130	130	130	130	-	-	-
Coefficient of Linear Thermal Expansion	ISO 10545-8	From 25°C to 100°C	10 ⁻⁶ /°C	5,7	5,7	5,7	5,7	5,7	5,7	5,7
Thermal Shock Resistance	ISO 10545-9	Damage	-	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Moisture Expansion	ISO 10545-10	Coefficient of Dilatation	mm/m	< 0,1	< 0,1	< 0,1	< 0,1	< 0,1	< 0,1	< 0,1
Frost Resistance	ISO 10545-12	Damage	-	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged	Not Damaged
Chemical Resistance	ISO 10545-13	Cleaning Products	Class	A	A	A	A	A	A	A
		Pool Chemicals	Class	A	A	A	A	A	A	A
		Low Concentrations	Class	LA	LA	LA	LA	LB	LA	LA
		High Concentrations	Class	HA	HA	HA	HA	HB	HA	HA
Stain Resistance	ISO 10545-14	Visual Appearance	Class	5	5	5	5	4	5	5
Lead and Cadmium Release	ISO 10545-15	Lead Concentration	mg/dm ²	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01	< 0,01
		Cadmium Concentration	mg/dm ²	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001	< 0,001
Light Fastness	DIN 51094	Chromatic Change	-	No Change	No Change	No Change	No Change	No Change	No Change	No Change

⁽¹⁾ Non-mesh slabs

⁽²⁾ Cut to size format slabs

TEST	STANDARD	DETERMINATION	Unit	THICKNESS			
				6	6+	12	20
Weight	-	-	Kg/m ² (±5%)	14,4	14,8	28,8	48,0
Flexural Strength	ISO 10545-4	Breaking Strength	N	>1100	>1300	>5000	>13000
		Modulus of Rupture	N/mm ²	≥45	≥48	≥45	≥45

The mentioned information stems from periodical tests made with a real product from the manufacturing process. Data is accurate according to our loyal knowledge and wisdom. This technical data sheet and the product properties can be changed without prior notice. The users, suppliers and distributors should check that they possess the most recent technical data sheets. For more information about Neolith visit www.neolith.com

Anti-slip information 6mm

IN ACCORDANCE WITH STANDARDS EN 16165, ANSI A 326.3

TEST	FINISHES												
	Silk	Satin	Slate	River washed	Decor Polished	Ultrasoft	Natural Touch	Cava	Rigato	Steel touch	Matt	Wood	ASR
Slip resistance EN16165 (Annex C AN A)	Rd<15 (Class 0)	15 < Rd < 35 (Class 1)	15 < Rd < 35 (Class 1)	15 < Rd < 35 (Class 1)	Rd < 15 (Class 0)	Rd < 15 (Class 0)	15 < Rd < 35 (Class 1)	35 < Rd < 45 (Class 2)	35 < Rd < 45 (Class 2)	Rd < 15 (Class 0)	15 < Rd < 35 (Class 1)	35 < Rd < 45 (Class 2)	Rd > 45 (Class 3)
Slip resistance EN16165 (Annex B)	n/c	R9	R10	R10	n/c	n/c	R9	R10	R10	n/c	R9	R10	R11
Slip resistance EN16165 (Annex A)	n/c	A	B	A	n/c	A	A	C	C	A	A	B	C
DCOF (wet) ANSI A326.3	≥ 0,42	≥ 0,42	≥ 0,50	≥ 0,42	≤ 0,16	< 0,42	≥ 0,42	≥ 0,50	≥ 0,50	≥ 0,42	≥ 0,42	≥ 0,50	> 0,65

Slip resistance requirements based on location, in accordance with **section SUA 1 of the CTE-DB-SUA:**

The anti-slip finish, Neolith ASR, is **applied on the production line prior to firing**, providing long-lasting durability of the finish.

APPLICATIONS

LOCATION AND FLOOR CHARACTERISTICS CLASS

Dry indoor areas

Surfaces with slope less than 6%	1
Surfaces with slope equal or higher than 6% and stairs	2

Wet indoor areas, such as entrances to buildings from space Outside ⁽¹⁾ covered terraces, changing rooms, bathrooms, toilets, kitchens, etc.

Surfaces with slope less than 6%	2
Surfaces with slope equal or higher than 6% and stairs	3

Outdoor areas. Pools ⁽²⁾. Showers. 3

⁽¹⁾ Except for shortcuts to restricted use areas.

⁽²⁾ In previous areas for barefoot users and at the bottom of the vessels, in areas where the depth does not exceed 1.50 m.

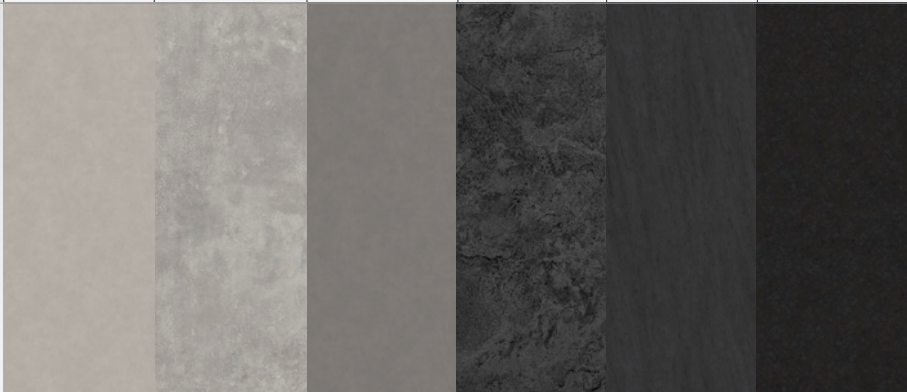
According to **ANSI A137.1:2012**, the criteria are established based on their classification^{(***):}

CLASSIFICATION	CATEGORY REFERENCE	CRITERIA
Indoor, Dry	ID	≥ 0,42 DCOF dry (according to section 10.1)
Indoor, Damp	IW	≥ 0,42 DCOF wet (as per section 9.1) or as stated by the manufacturer
Indoor, Damp Plus	IW+	As declared by the manufacturer
Outdoor, Damp	EW	As declared by the manufacturer
Oils/Greases	O/G	As declared by the manufacturer

******* Regardless of the product's stated use classification, the specifier must determine the appropriate materials for the specific conditions of the project, taking into account, by way of example but not limited to, the type of use, traffic, expected contaminants, planned maintenance, expected wear and tear, and the manufacturer's guidelines and recommendations.

NON-SLIP MODELS

MODEL	Retrostone (ASR)	Strata Argentum (ASR)	Arena (ASR)	Crema (ASR)	Capri (ASR)	Shilin (ASR)	Pietra di Osso (ASR)
TEST STANDARD Surface abrasion resistance EN ISO 10545-7	PEI IV	PEI IV	PEI IV	PEI IV	PEI III	PEI IV	PEI IV
VISUAL SAMPLE							

MODEL	Pietra di Luna (ASR)	New York New York (ASR)	Pietra di Piombo (ASR)	Krater (ASR)	Basalt Black (ASR)	Nero Zimbabwe (ASR)
TEST STANDARD Surface abrasion resistance EN ISO 10545-7	PEI IV	PEI IV	PEI II	PEI II	PEI II	PEI I
VISUAL SAMPLE						

* For other models, please refer to PEI.

The finish of this product reduces slip; its shade, appearance, and gloss are unique and resemble the standard finish. In applications exposed to foot traffic with footwear, the product requires more frequent maintenance and cleaning, especially for models/colours with a white or cream-coloured base.