

TECHNICAL DATA SHEETS

DEKTON® SLIM

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DEKTON® SLIM PROTEK

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DEKTON® SLIM PROTEK XGLOSS

Manufacturer's name and place of production:

Company: Cosentino S.A.U.

Address: A-334 road, km 59, postal code 04850 Cantoria (Almeria) - Spain

DEKTON® SLIM

Standard test	Determination	Ud	Value
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	46
Water absorption, apparent porosity, density EN ISO 10545-3	Water absorption by boiling	%	0
	Water absorption by vacuum	%	0.1
	Open porosity	%	0.2
	Apparent relative density	g/cm ³	2.51
	Apparent density	g/cm ³	2.50
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	142
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.82
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	5,7x10 ⁻⁶
Thermal shock resistance EN ISO 10545-9	Damage	-	None
Water absorption, apparent porosity ASTM C373	Average water absorption	%	0.2
Breaking strength ASTM C648	Average breaking strength	lbf	528
Impact resistance EN 14617-9	Breaking height	cm	25
	Medium fracture work	J	2,4

DEKTON® SLIM PROTEK(*)

Standard test	Determination	Ud	Value
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	48
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	142
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.82
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	6x10 ⁻⁶
Thermal shock resistance EN ISO 10545-9	Damage	-	None
Water absorption, apparent porosity ASTM C373	Average water absorption	%	0.2
Breaking strength ASTM C648	Average breaking strength	lbf	661
Impact resistance EN 14617-9	Breaking height	cm	32
	Medium fracture work	J	3,2

DEKTON® SLIM PROTEK XGLOSS(**)

Standard test	Determination	Ud	Value
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	49
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	(**)
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	(**)
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	(**)
Thermal shock resistance EN ISO 10545-9	Damage	-	(**)

(*) Includes 300 g/m² fiberglass mesh with epoxy resin.

(**) Ongoing tests.