

Technical Data Sheet

DEKTON® SLIM | DEKTON® SLIM PROTEK |
DEKTON® SLIM PROTEK XGLOSS



All the data collected in this document are based on the results of periodic tests on representative products carried out in accredited external laboratories.

This *Technical Data Sheet* applies to all Dekton® Slim 4 mm colors. Check color availability.

Name and address of manufacturer

Company: Cosentino Industrial, S.A.U.

Address: Carretera A-334, km 59, 04850 Cantoria (Almeria) - Spain

**TECHNICAL
CONTENT**

REV. 04 - 01/2024

Dekton® Slim Technical Data Sheet

Test Standard	Determination	Unit	Value
Water absorption, open porosity and 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
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	46
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.82
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	142
Linear thermal expansion EN ISO 10545-8	Expansion 30 - 100 °C	10 ⁻⁶ · °C ⁻¹	5.7
Thermal shock resistance EN ISO 10545-9	Damage	-	Pass/ no damage
Reaction to fire EN 13501-1	Class	-	A1
Impact resistance EN 14617-9	Breaking height	cm	25
	Average fracture work	J	2.4
Water absorption, apparent porosity ASTM C373	Average water absorption	%	0.2
Breaking strength ASTM C648	Average breaking strength	lbf	528

Dekton® Slim Protek* Technical Data Sheet

Test Standard	Determination	Unit	Value
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	48
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.82
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	142
Linear thermal expansion EN ISO 10545-8	Expansion 30 - 100 °C	10 ⁻⁶ · °C ⁻¹	6
Thermal shock resistance EN ISO 10545-9	Damage	-	Pass/ no damage
Reaction to fire EN 13501-1	Class	-	B,s1,d0
Impact resistance EN 14617-9	Breaking height	cm	32
	Average fracture work	J	3.2
Water absorption, apparent porosity ASTM C373	Average water absorption	%	0.2
Breaking strength ASTM C648	Average breaking strength	lbf	661

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

Dekton® Slim Protek XGloss* Technical Data Sheet

Test Standard	Determination	Unit	Value
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	49
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.82
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm ³	149
Linear thermal expansion EN ISO 10545-8	Expansion 30 - 100 °C	10 ⁻⁶ . °C ⁻¹	6
Reaction to fire EN 13501-1	Class	-	B,s1,d0

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