

**TECHNICAL DATA SHEETS**

**DEKTON® SLIM**

Aura I5, Aura I5 Bookmatch, Bromo, Edora, Kelya, Kovik, Kreta, Laos, Lunar, Nayla, Opera, Sasea, Sirius, Sirocco, Trilium, Zenith.

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**DEKTON® SLIM PROTEK**

Aura I5, Aura I5 Bookmatch, Bromo, Edora, Kelya, Kovik, Kreta, Laos, Lunar, Nayla, Opera, Sasea, Sirius, Sirocco, Trilium, Zenith.

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**DEKTON® SLIM PROTEK XGLOSS**

Arga, Bergen, Halo, Natura I8, Natura I8 Bookmatch

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 <sup>2</sup>	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 <sup>3</sup>	2.51
	Apparent density	g/cm <sup>3</sup>	2.50
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm <sup>3</sup>	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 <sup>-1</sup>	5,7x10 <sup>-6</sup>
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 <sup>2</sup>	48
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm <sup>3</sup>	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 <sup>-1</sup>	6x10 <sup>-6</sup>
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 <sup>2</sup>	49
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm <sup>3</sup>	149
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 <sup>-1</sup>	6x10 <sup>-6</sup>

(\*) Includes 300 g/m<sup>2</sup> fiberglass mesh with epoxy resin.

(\*\*) Ongoing tests.