# Technical Data Sheet

DEKTON® | DEKTON® XGLOSS | DEKTON® GRIP/GRIP+FAMILIES | - II - III - IV

#### Family I

**Dekton**®: Bromo, Domoos, Eter, Fossil, Kelya, Keon, Kira, Kovik, Kreta, Laos, Laurent, Micron, Sirius, Soke, Somnia, Umber, Valterra, Vk04 Grafite, Zentum.

#### Family II

 $\label{eq:decomposition} \begin{array}{l} \textbf{Dekton}^{\text{@}} \colon \text{Daze} \ \underline{k}\text{C}, \text{Laguna} \ \underline{k}\text{C}, \text{Marina} \ \underline{k}\text{C}, \text{Morpheus} \ \underline{k}\text{C}, \text{Neural} \ \underline{k}\text{C}, \\ \text{Opera} \ \underline{k}\text{C}, \text{Portum} \ \underline{k}\text{C}, \text{Rem} \ \underline{k}\text{C}, \text{Reverie} \ \underline{k}\text{C}, \text{Uyuni} \ \underline{k}\text{C}, \text{Zenith} \ \underline{k}\text{C}. \end{array}$ 

**Dekton® XGloss:** Awake  $\underline{k}$ C, Bergen  $\underline{k}$ C, Halo  $\underline{k}$ C, Limbo  $\underline{k}$ C, Lucid  $\underline{k}$ C, Malibu  $\underline{k}$ C, Salina  $\underline{k}$ C, Trance  $\underline{k}$ C, Vigil  $\underline{k}$ C.

#### Family III

 $\label{eq:Dekton} \textbf{Dekton}^{\textcircled{\tiny \$}}: Aeris \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Albarium 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Argentium} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Aura 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Danae} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Entzo 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Gk07} \, \text{Ceppo} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Kairos 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Liquid Shell 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Lunar 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Mooné} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Nacre} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Nilium 22} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Sasea} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Tk05} \, \text{Sabbia} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Tk06} \, \text{Marmorio} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Vk01} \, \, \text{Nebbia} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Vk02} \, \, \text{Avorio} \, \underline{\texttt{k}} \, \texttt{C}, \, \text{Vk03} \, \, \text{Grigio} \, \underline{\texttt{k}} \, \texttt{C}.$ 

**Dekton® XGloss:** Arga  $\underline{k}C$ , Dunna  $\underline{k}C$ , Helena 22  $\underline{k}C$ , Khalo  $\underline{k}C$ , Natura 22  $\underline{k}C$ , Rio Branco, Taga  $\underline{k}C$ .

#### Family IV

Dekton®: Trilium.

According to EN 14411, EN 16165, ANSI A137.1, ANSI A326.3, ISO 13006 All the data collected in this document are based on the results of periodic tests on representative products of each Technical Family

carried out in accredited external laboratories.

This Technical Data Sheet applies to thicknesses 8 mm, 12 mm, 20 mm and 30 mm.

#### Name and address of manufacturer

Company: Cosentino Industrial, S.A.U. Address: Carretera A-334, km 59, 04850 Cantoria (Almeria) - Spain

TECHNICAL CONTENT

## Dekton® Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

	Thickness	Unit	Family I	Family II	Family III	Family IV
	8 mm		20 [4.10]	20 [4.10]	20 [4.10]	20 [4.10]
Minimiz	12 mm	Kg/m²	30 [6.20]	29 [6.00]	30 [6.20]	31 [6.40]
Weight	20 mm	[lb/ft²]	50 [10.30]	48 [9.90]	50 [10.30]	51 [10.50]
	30 mm	-	77 [15.80]	72 [14.80]	77 [15.80]	76 [15.60]

Flexural strength EN ISO 10545-4 Tested format: 200 x 200 mm	Thickness	Unit	Family I	Family II	Family III	Family IV
Breaking strength	0	N	2,304	2,282	1,993	2,164
Flexural resistance	8 mm	N/mm²	55	53	50	50
Breaking strength	40	N	4,992	4,616	4,947	4,509
Flexural resistance	12 mm	N/mm²	54	48	54	49
Breaking strength	00	N	14,174	13,708	13,629	13,614
Flexural resistance	20 mm	N/mm²	54	50	52	53

Test   Standard	Determination	Unit	Family I	Family II	Family III	Family IV
	Water absorption (Ev)	%	0.1	0.1	0.1	0.1
Water absorption, open porosity	Open porosity	%	0.2	0.2	0.2	0.2
<b>and density</b> EN ISO 10545-3	Apparent relative density	g/cm <sup>3</sup>	2.51	≤ 2.43	2.53	2.44
	Apparent density	g/cm³	2.50	≤ 2.43	2.53	2.44
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	0.85	0.85	0.85	0.92
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm³	125	106	115	119
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30 - 100 °C	10 <sup>-6</sup> ⋅°C <sup>-1</sup>	6.5	5.1	6.3	5.8
Thermal shock resistance EN ISO 10545-9	Damage	-	Pass/ no damage	Pass/ no damage	Pass/ no damage	Pass/ no damage
Moisture expansion	Maximum expansion		0.1	0.1	0.1	0.1
EN ISO 10545-10	Average expansion	mm/m	0.0	0.0	0.0	0.1
Frost resistance EN ISO 10545-12	Damage	-	Pass/ no damage	Pass/ no damage	Pass/ no damage	Pass/ no damage
Resistance to chemicals	CINH <sub>4</sub> / Cleaning products	Type	A (no damage)	A (no damage)	A (no damage)	A (no damage
EN ISO 10545-13	Bleach / Swimming pool salts	туре	A (no damage)	A (no damage)	A (no damage)	A (no damage
· ( * ) Tested thickness:	12 mm. (n/c) Does no	t classify	( NI/A	) Does not apply	ı	

## Dekton® Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

			Family I	Family II	Family III	Family IV
Resistance	Green agent		5	5	5	5
to staining	lodine (solution)	Class	5	5	5	5
EN ISO 10545-14	Olive oil		5	5	5	5
Absorption and	Average absorption	%	0.05	0.04	0.04	0.03
bulk specific gravity ASTM C97	Bulk specific gravity	lb/ft³	157.3	159.6	150.9	154.4
Modulus of rupture*	Modulus of rupture (dry conditions)		7,918	7,821	8,144	7,510
ASTM C99	Modulus of rupture (wet conditions)	psi	7,948	7,573	7,251	6,705
Moisture expansion ASTM C370	-	%	0.003	0.003	0.001	0.005
<b>Linear thermal</b> <b>expansion</b> ASTM C372	-	10 <sup>-6</sup> · °C <sup>-1</sup>	6.10	5.11	5.69	5.78
Water absorption		%	0.0	0.0	0.0	0.0
ASTM C373	-	Class	Impervious	Impervious	Impervious	Impervious
<b>Crazing resistance</b> ASTM C424	-	-	No crazing observed	No crazing observed	No crazing observed	No crazinç observed
Bond strength ASTM C482	-	psi	189	367	133	409
	Edge warpage	%	- 0.01 / 0.01	0 / 0.04	- 0.01 / 0.02	- 0.01 / 0.0
Edge and diagonal warpage		in	0/0	0 / 0.01	0 / 0.01	0 / 0.01
ASTM C485	B: 1	%	- 0.02 / 0	0 / 0.04	- 0.01 / 0.01	- 0.02 / 0.0
	Diagonal warpage	in	- 0.01 / 0	0 / 0.01	0/0	- 0.01 / 0.0
Facial dimensions	Maximum variation from nominal	%	0.05	0.08	0.07	0.09
and thickness	Maximum variation from average	%	- 0.05	- 0.06	0.04	- 0.08
ASTM C499	Thickness (range)	in	0.008	0.012	0.019	0.013
Wear resistance (Taber abrasion) ASTM C501	Average wear resistance index	-	182.2	337	240	239
Wedging	Average wedging	%	0	0	0	0
ASTM C502	Average wedging	in	0	0	0	0
Breaking strength	Average breaking strength	lbf	1,192	1,176	1,171	1,138
ASTM C648	Minimum breaking strength	lbf	1,144	1,070	1,067	1,013

## Dekton® Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

Acetic acid, 3% (l/v)  Acetic acid, 10% (l/v)  Acetic acid, 10% (l/v)  Ammonium chloride, 100 g/L  Citric acid solution, 30 g/L  Citric acid solution, 100 g/L  Lactic acid, 3% (l/v)  Phosphoric acid, 3% (l/v)  Asymming pool chemicals  Sodium hypochlorite acid solution acid, 300 g/L  Acids and bases  Hydrochloric acid solution, 30 g/L  Phydrochloric acid solution, 50 g/L  Phydrochloric acid solution, 50 g/L  Phydrochloric acid, 3% (l/v)  Phydrochloric acid solution, 50 g/L  Phydrochloric acid, 3% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid solution, 5% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid, 5% (l/v)  Phydrochloric acid solution, 5% (l/v)  Phydrochloric acid,	Test   Standard	Determination	Unit	Family I	Family II	Family III	Family IV
Acetic acid, 10% (y/y) Ammonium chloride, 100 g/L Citric acid solution, 30 g/L Citric acid solution, 30 g/L Citric acid solution, 5% (y/y) Acetic acid solution, 100 g/L Lactic acid solution, 5% (y/y) Phosphoric acid, 3% (y/y) Phosphoric acid, 3% (y/y) Phosphoric acid, 3% (y/y) Phosphoric acid, 10% (y/y) As Juffected AsTM C650 As Juffamic acid, 10% (y/y) Acid and bases Hydrochloric acid solution acid, 3% (y/y) Acids and bases Hydrochloric acid solution, 5% (y/y) Acids and bases Acids and bases Hydrochloric acid solution, 5% (y/y) Acids and bases Hydrochloric acid solution, 5% (y/y) Acids and bases Acids aci		Common cleaning chemicals		Class A	Class A	Class A	Class A
Ammonium chloride, 100 g/L Citric acid solution, 30 g/L Citric acid solution, 30 g/L Citric acid solution, 100 g/L Lactic acid solution, 5% (v/v) Phosphoric acid, 3% (v/v) Phosphoric acid, 3% (v/v) Phosphoric acid, 3% (v/v) Not affected No		Acetic acid, 3% (v/v)		Not affected	Not affected	Not affected	Not affecte
Citric acid solution, 30 g/L  Citric acid solution, 100 g/L  Lactic acid solution, 5% (v/v)  Phosphoric acid, 3% (v/v)  Phosphoric acid, 3% (v/v)  Phosphoric acid, 30 g/L  Sulfamic acid, 30 g/L  Sulfamic acid, 100 g/L  Acids and bases  Class A  Class A		Acetic acid, 10% (v/v)		Not affected	Not affected	Not affected	Not affecte
Citric acid solution, 100 g/L Lactic acid solution, 5% (v/v) Phosphoric acid, 3% (v/v) Phosphoric acid, 3% (v/v) Phosphoric acid, 30 g/L Siffance Sistance Sodium hypochlorite sol., 20 mg/L Hydrochloric acid solution, 5% (v/v) Potassium hydroxide, 100 g/L Potassium hydroxide, 30 g/L Potassium hy		Ammonium chloride, 100 g/L		Not affected	Not affected	Not affected	Not affecte
Lactic acid solution, 5% (v/v) - Not affected Not affected Not affected Phosphoric acid, 3% (v/v) - Not affected Not affected Not affected Phosphoric acid, 10% (v/v) - Not affected Not affected Not affected Phosphoric acid, 10% (v/v) - Not affected Not affected Not affected Not affected Starmore Starmore Starmore Phosphoric acid, 10% (v/v) - Not affected		Citric acid solution, 30 g/L		Not affected	Not affected	Not affected	Not affecte
Phosphoric acid, 3% (v/v) Phosphoric acid, 3% (v/v) Phosphoric acid, 10% (v/v) Phosphoric acid, 30 g/L Sulfamic acid, 100 g/L Phosphoric acid sol., 20 mg/L Phosphoric acid sol., 20 mg/L Phosphoric acid sol., 3% (v/v) Phydrochloric acid sol., 3% (v/v) Phydrochloric acid sol., 18% (v/v) Photassium hydroxide, 30 g/L Potassium hydroxide, 100 g/		Citric acid solution, 100 g/L		Not affected	Not affected	Not affected	Not affecte
Chemical esistance Sulfamic acid, 10% (v/v) Sulfamic acid, 30 g/L Sulfamic acid, 100 g/L Acids and bases Class A		Lactic acid solution, 5% (v/v)	-	Not affected	Not affected	Not affected	Not affecte
Sulfamic acid, 30 g/L Acids and bases Class A Clas		Phosphoric acid, 3% (v/v)		Not affected	Not affected	Not affected	Not affecte
STM C650  Sulfamic acid, 30 g/L  Sulfamic acid, 100 g/L  Sodium hypochlorite sol., 20 mg/L  Acids and bases  Class A  Cl		Phosphoric acid, 10% (v/v)		Not affected	Not affected	Not affected	Not affecte
Swimming pool chemicals  Sodium hypochlorite sol., 20 mg/L  Acids and bases  Hydrochloric acid sol., 3% (v/v)  Hydrochloric acid sol., 3% (v/v)  Hydrochloric acid sol., 18% (v/v)  Potassium hydroxide, 30 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Flexural strength (dry conditions)  Flexural strength (wet conditions)  Flow according STM C1026  Resistance to reeze-thaw cycling  STM C1243  Average resistance  Maximum resistance  Carbon lamp black  Carbon lamp black  Waterproof ink (black)  Vot affected  Not af		Sulfamic acid, 30 g/L		Not affected	Not affected	Not affected	Not affecte
Sodium hypochlorite sol., 20 mg/L  Acids and bases Hydrochloric acid sol., 3% (v/v) Hydrochloric acid sol., 3% (v/v) Hydrochloric acid sol., 18% (v/v) Potassium hydroxide, 30 g/L Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Not affected  Not a		Sulfamic acid, 100 g/L		Not affected	Not affected	Not affected	Not affecte
Acids and bases Hydrochloric acid sol., 3% (v/v) Hydrochloric acid sol., 18% (v/v) Potassium hydroxide, 30 g/L Potassium hydroxide, 100 g/L Not affected Not affe		Swimming pool chemicals		Class A	Class A	Class A	Class A
Hydrochloric acid sol., 3% (v/v)  Hydrochloric acid sol., 3% (v/v)  Potassium hydroxide, 30 g/L  Potassium hydroxide, 100 g/L  Potassium hydroxide, 100 g/L  Flexural strength (dry conditions)  Flexural strength (wet conditions)  Flexural strength (wet conditions)  Flexural strength (sTM C126)  Resistance to reeze-thaw cycling sTM C1243  Average resistance  Maximum resistance  Contrasting grout  Contrasting grout  Carbon lamp black  Washable ink  Washable ink  Potassium hydroxide, 100 g/L  Not affected  Not affected		Sodium hypochlorite sol., 20 mg/L	-	Not affected	Not affected	Not affected	Not affecte
Hydrochloric acid sol., 18% (v/v)  Potassium hydroxide, 30 g/L  Potassium hydroxide, 100 g/L  Not affected  Not af		Acids and bases		Class A	Class A	Class A	Class A
Potassium hydroxide, 30 g/L Potassium hydroxide, 100 g/L Not affected		Hydrochloric acid sol., 3% (v/v)		Not affected	Not affected	Not affected	Not affecte
Potassium hydroxide, 100 g/L    Potassium hydroxide, 100 g/L		Hydrochloric acid sol., 18% (v/v)	-	Not affected	Not affected	Not affected	Not affecte
Flexural strength (dry conditions)  Flexural strength (wet conditions)  Flexistance to research was a fixed by		Potassium hydroxide, 30 g/L		Not affected	Not affected	Not affected	Not affecte
Contrasting grout   Cont		Potassium hydroxide, 100 g/L		Not affected	Not affected	Not affected	Not affecte
Flexural strength (wet conditions)  Flexural strength (Not affected Not aff	lexural strength	•	nei	3,471	3,594	3,520	3,058
reeze-thaw cycling .STM C1026  Resistance to eep abrasive wear .STM C1243  Average resistance mm³  Maximum resistance  Class A	STM C880	•	ры	3,030	3,045	3,172	2,817
Resistance Carbon lamp black STM C1378  Washable ink Potassium permanganate sol., 1%  Not affected	reeze-thaw cycling	-	-	Not affected	Not affected	Not affected	Not affecte
STM C1243  Maximum resistance  B9.1  Class A  Not affected		Average resistance		82.6	65	76.4	87.3
Contrasting grout  Not affected	•	Maximum resistance	mm³	89.1	72	83.1	95.3
Carbon lamp black  Not affected				Class A	Class A	Class A	Class A
Resistance o staining Waterproof ink (black) - Not affected Not affect		Contrasting grout		Not affected	Not affected	Not affected	Not affecte
Destaining Waterproof ink (black) - Not affected Not affe	Pocietanos	Carbon lamp black		Not affected	Not affected	Not affected	Not affecte
Washable ink  Not affected Not	o staining	Waterproof ink (black)	-	Not affected	Not affected	Not affected	Not affecte
	STM C1378	Washable ink		Not affected	Not affected	Not affected	Not affecte
Methylene Blue solution, 1% Not affected Not affected Not affected Not affected		Potassium permanganate sol., 1%		Not affected	Not affected	Not affected	Not affecte
		Methylene Blue solution, 1%		Not affected	Not affected	Not affected	Not affecte

#### Dekton® XGloss Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

Test   Standard	Determination	Unit	Family I	Family II	Family III	Family I\
	Water absorption (Ev)	%		0.1	0.1	
Water absorption, open porosity and	Open porosity	%		0.2	0.2	
density	Apparent relative density	g/cm³	N/A	≤ 2.43	2.53	N/A
EN ISO 10545-3	Apparent density	g/cm³		≤ 2.43	2.53	
Flexural tensile	Average flexural resistance	N/mm²		45	55	
strength or modulus of rupture	Average break load	N	N/A	2,313	2,356	N/A
EN ISO 10545-4	Average break strength	N		13,559	13,818	
Impact resistance EN ISO 10545-5	Coefficient of restitution (COR)	-	N/A	0.85	0.85	N/A
Resistance to deep abrasion EN ISO 10545-6	Wear volume	mm³	N/A	106	115	N/A
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30 - 100 °C	10 <sup>-6</sup> ⋅ °C <sup>-1</sup>	N/A	5.1	6.3	N/A
Thermal shock resistance EN ISO 10545-9	Damage	-	N/A	Pass/ no damage	Pass/ no damage	N/A
Moisture expansion	Maximum expansion	100 100 /100	N1/A	0.1	0.1	N/A
EN ISO 10545-10	Average expansion	mm/m	N/A	0.0	0.0	N/A
Frost resistance EN ISO 10545-12	Damage	-	N/A	Pass/ no damage	Pass/ no damage	N/A
Resistance to chemicals	CINH <sub>4</sub> / Cleaning products	Туре	N/A	A (no damage) A	A (no damage)	N/A
EN ISO 10545-13	Bleach / Swimming pool salts			(no damage)	(no damage)	
Resistance to	Green agent			5	5	N/A
staining	lodine (solution)	Class	N/A	5	5	
EN ISO 10545-14	Olive oil			5	5	
Absorption and bulk specific gravity	Average absorption	%	D1/0	0.04	0.04	D1/0
ASTM C97	Bulk specific gravity	lb/ft³	N/A	159.6	150.9	N/A
Modulus of rupture*	Modulus of rupture (dry conditions)		N1/A	7,821	8,144	N1/0
ASTM C99	Modulus of rupture (wet conditions)	psi	N/A	7,573	7,251	N/A
Compressive strength*	Compressive strength (dry conditions)	nei	NI/A	38,864	52,955	N/A
ASTM C170	Compressive strength (wet conditions)	psi	N/A	42,980	20,648	IV/A
<b>Moisture expansion</b> ASTM C370	-	%	N/A	0.003	0.001	N/A
Water absorption ASTM C373	-	% Class	N/A	0.0 Impervious	0.0 Impervious	N/A

### Dekton® XGloss Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

Test   Standard	Determination	Unit	Family I	Family II	Family III	Family I
<b>Linear thermal</b> <b>expansion</b> ASTM C372	-	10 <sup>-6</sup> ⋅ °C <sup>-1</sup>	N/A	5.11	5.69	N/A
<b>Crazing resistance</b> ASTM C424	-	-	N/A	No crazing observed	No crazing observed	N/A
Bond strength ASTM C482	-	psi	N/A	367	133	N/A
Facial dimensions	Maximum variation from nominal	%		0.08	0.07	
and thickness	Maximum variation from average	%	N/A	- 0.06	0.04	N/A
ASTM C499	Thickness (range)	in		0.012	0.019	
<b>Wear resistance</b> ( <b>Taber abrasion)</b> ASTM C501	Average wear resistance index	-	N/A	337	240	N/A
Wedging	Average wedging	%	NI/A	0	0	N1/A
ASTM C502	Average wedging	in	N/A	0	0	N/A
Breaking strength	Average breaking strength	lbf	N/A	1,176	1,171	N/A
ASTM C648	Minimum breaking strength			1,070	1,067	
	Common cleaning chemicals			Class A	Class A	
	Acetic acid, 3% (v/v)			Not affected	Not affected	
	Acetic acid, 10% (v/v)	-		Not affected	Not affected	
	Ammonium chloride, 100 g/L			Not affected	Not affected	
	Citric acid solution, 30 g/L			Not affected	Not affected	
	Citric acid solution, 100 g/L		N/A	Not affected	Not affected	
	Lactic acid solution, 5% (v/v)			Not affected	Not affected	N/A
	Phosphoric acid, 3% (v/v)			Not affected	Not affected	
Chemical	Phosphoric acid, 10% (v/v)			Not affected	Not affected	
resistance ASTM C650	Sulfamic acid, 30 g/L			Not affected	Not affected	
	Sulfamic acid, 100 g/L			Not affected	Not affected	
	Swimming pool chemicals			Class A	Class A	
	Sodium hypochlorite sol., 20 mg/L	-	N/A	Not affected	Not affected	N/A
	Acids and bases			Class A	Class A	
	Hydrochloric acid sol., 3% (v/v)			Not affected	Not affected	
	Hydrochloric acid sol., 18% (v/v)	-	N/A	Not affected	Not affected	N/A
	Potassium hydroxide, 30 g/L			Not affected	Not affected	
	Potassium hydroxide, 100 g/L			Not affected	Not affected	
	Flexural strength			3,594	3,520	
Flexural strength	(dry conditions)	psi	N/A			N/A
ASTM C880	Flexural strength (wet conditions)		·	3,045	3,172	·

### Dekton® XGloss Technical Data Sheet

According to EN 14411, ANSI A137.1, ISO 13006 standards

Test   Standard	Determination	Unit	Family I	Family II	Family III	Family IV
Resistance to freeze-thaw cycling ASTM C1026	-	-	N/A	Not affected	Not affected	N/A
Resistance to deep abrasive wear	Average resistance	2		71.1	74.2	D1/0
ASTM C1243	Maximum resistance	mm³	N/A	77.4	77.4	N/A
				Class A	Class A	
	Contrasting grout			Not affected	Not affected	
Resistance	Carbon lamp black			Not affected	Not affected	
to staining	Waterproof ink (black)	-	N/A	Not affected	Not affected	N/A
ASTM C1378	Washable ink			Not affected	Not affected	
	Potassium permanganate sol., 1%			Not affected	Not affected	
	Methylene Blue solution, 1%			Not affected	Not affected	

Dekton® Slipperiness According to ISO 13006, EN 14411, EN 16165, ANSI A137.1 and ANSI A326.3 standards

	EN 16165 (Annex C AN A) UNE 41901 EX (PTV wet)	EN 16165 (Annex B) DIN 51130	EN 16165 (Annex A) DIN 51097	ANSI A326.3 (DCOF wet)
Gk07 Ceppo <u>k</u> C, Tk05 Sabbia <u>k</u> C, TK06 Marmorio <u>k</u> C, Vk01 Nebbia <u>k</u> C, Vk02 Avorio <u>k</u> C, Vk03 Grigio <u>k</u> C, Vk04 Grafite	15 < Rd < 35 (Class 1)	R9	А	≥ 0,42
Danae <u>k</u> C, Kelya, Keon, Kovik, Laos, Lunar 22 <u>k</u> C, Micron, Nacre <u>k</u> C, Nilium 22 <u>k</u> C, Sasea <u>k</u> C, Umber, Valterra	15 < Rd < 35 (Class 1)	R9	n/c	≥ 0,42
Aeris <u>k</u> C, Argentium <u>k</u> C, Albarium 22 <u>k</u> C, Aura 22 <u>k</u> C, Bromo, Domoos, Entzo 22 <u>k</u> C, Eter, Fossil, Kairos 22 <u>k</u> C, Kreta, Kira, Laurent, Mooné <u>k</u> C, Neural <u>k</u> C, Rem <u>k</u> C, Sirius, Soke, Somnia, Trilium, Uyuni <u>k</u> C, Zenith <u>k</u> C, Zentum	15 < Rd < 35 (Class 1)	n/c	n/c	≥ 0,42
Daze <u>k</u> C, Laguna <u>k</u> C, Liquid Shell 22 <u>k</u> C, Marina <u>k</u> C, Morpheus <u>k</u> C, Opera <u>k</u> C, Portum <u>k</u> C, Reverie <u>k</u> C	Rd < 15 (Class 0)	n/c	А	≥ 0,42
Arga <u>k</u> C, Awake <u>k</u> C, Bergen <u>k</u> C, Dunna <u>k</u> C, Halo <u>k</u> C, Helena 22 <u>k</u> C, Khalo <u>k</u> C, Limbo <u>k</u> C, Lucid <u>k</u> C, Malibu <u>k</u> C, Natura 22 <u>k</u> C, Rio Branco, Salina <u>k</u> C, Taga <u>k</u> C, Trance <u>k</u> C, Vigil <u>k</u> C	Rd < 15 (Class 0)	n/c	n/c	≤ 0,21
(*) Tested thickness: 12 mm. (n/c	) Does not classify.	( N/A ) Doe	es not apply.	

### Dekton® Grip Slipperiness

According to ISO 13006, EN 14411, EN 16165, ANSI A137.1 and ANSI A326.3 standards

	EN 16165 (Annex C AN A) UNE 41901 EX (PTV wet)	EN 16165 (Annex B) DIN 51130	EN 16165 (Annex A) DIN 51097	ANSI A326.3 (DCOF wet)
Aeris <u>k</u> C, Albarium 22 <u>k</u> C, Danae <u>k</u> C, Lunar 22 <u>k</u> C, Nacre <u>k</u> C, Sasea <u>k</u> C, Vk01 Nebbia <u>k</u> C	Rd > 45 (Class 3)	R10	В	≥ 0,55
→ ( * ) Tested thickness: 12 mm.	(n/c) Does not classify.	( N/A ) Doe	es not apply.	

#### Dekton® Grip+ Slipperiness

According to ISO 13006, EN 14411, EN 16165, ANSI A137.1 and ANSI A326.3 standards

	EN 16165 (Annex C AN A) UNE 41901 EX (PTV wet)	EN 16165 (Annex B) DIN 51130	EN 16165 (Annex A) DIN 51097	ANSI A326.3 (DCOF wet)
Aeris <u>k</u> C, Albarium 22 <u>k</u> C, Argentium <u>k</u> C, Bromo, Danae <u>k</u> C, Gk07 Ceppo <u>k</u> C, Keon, Kreta, Lunar 22 <u>k</u> C, Nacre <u>k</u> C, Sasea <u>k</u> C, Soke, Tk05 Sabbia <u>k</u> C, Vk01 Nebbia <u>k</u> C, Vk02 Avorio <u>k</u> C, Vk03 Grigio <u>k</u> C, Vk04 Grafit	Rd > 45 (Class 3) e	R11	С	≥ 0,60
+ (*) Tested thickness: 12 mm. (r	n/c ) Does not classify.	( N/A ) Doe	es not apply.	