

Silestone® Collection - New launches

Ethereal Series



Ethereal Dusk   **Q50**



Ethereal Glow   **Q50**



Ethereal Haze   **Q50**



Ethereal Noctis   **Q50**

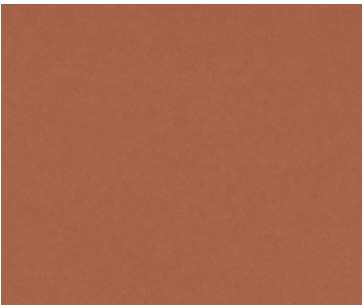


Ethereal Indigo   **Q50**

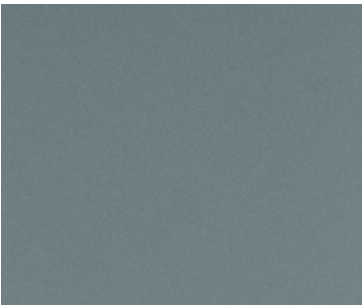


Ethereal Cloud   **Q50**

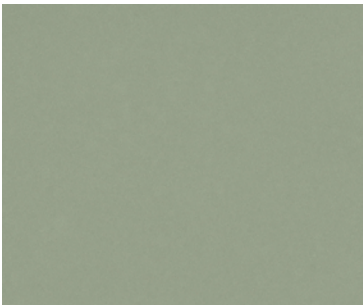
Sunlit Days Series



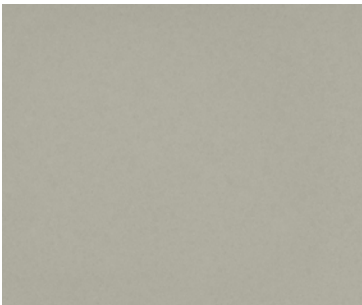
Arcilla Red   **Q10**



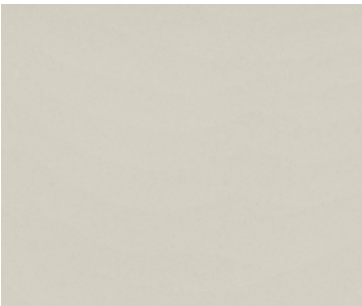
Cala Blue   **Q10**



Posidonia Green   **Q10**



Cincel Grey   **Q10**



Faro White   **Q10**

Silestone® Collection



Iconic White



Blanco Zeus



Miami Vena



Nolita



Miami White 17



Bianco Calacatta



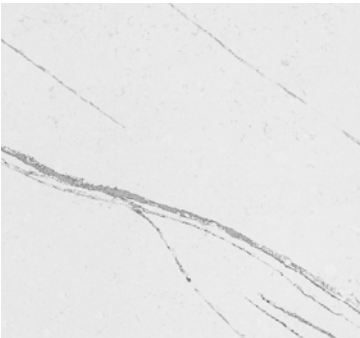
Et. Calacatta Gold



Et. Statuario



Classic Calacatta



Et. Bella



Et. D'Or



Toscana Cream



Blanco Maple 14



Blanco Norte 14



Blanco Stellar 13



Snowy Ibiza

Silestone® Collection



White Arabesque (N) (S) * Q50



Ariel (S) * Q50



Blanco Orion (N) * Q50



Et. Marfil (S) * Q50



White Storm 14 (N) (S) * Q50



Yukon (N) * Q50



Pearl Jasmine (S) * Q50



Desert Silver (S) * Q40



Halcyon (S) * Q50



Helix (S) * Q50



Bianco River (N) * Q50



Lusso (S) * Q50



Lyra (N) (S) * Q50



Pietra (S) * Q40



Lagoon (N) (S) * Q50



Poblenou (S) * Q10

Silestone® Collection



Ocean Jasper F Q10



Camden Q10



Royal Reef Q50



Blanco City Q50



Coral Clay Colour Q50



Rougui Q50



Noka Q50



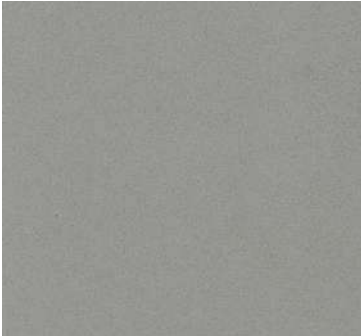
Sienna Ridge 12



Et. Serena Q50



Niebla Q50



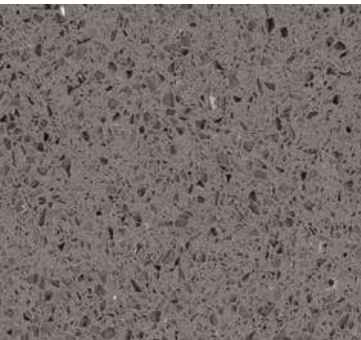
Kensho Q50



Seaport Q10



Alpina White 08



Stellar Grey Q50

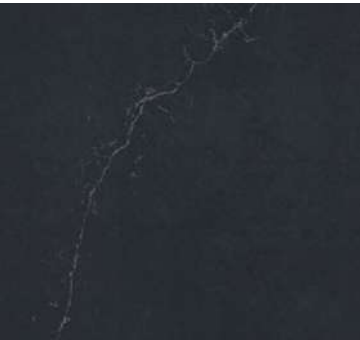
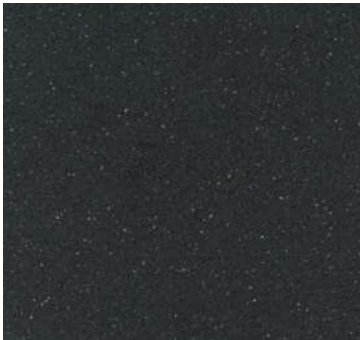


Copper Mist



Calypso Q50

Silestone® Collection

			
Ocean Storm   Q50	Gris Expo      Q50	Cemento Spa      Q50	Marengo    Q50
			
Charcoal Soapstone    Q50	Arden Blue     Q50	Negro Tebas 18     Q50	Et. Noir    Q50 
			
Et. Marquina    Q50 	Negro Stellar    Q+50	Corktown   Q+10	

Key

	Standard format (up to 306 cm x 140 cm).
	Jumbo standard (up to 327 cm x 159 cm).
	Available in Polished finish.
	Available in Suede finish.
	Available in Volcano finish.
	With N-BOOST technology.

HybriQ: Technology applied to the Silestone portfolio that implies a significant reduction in the content of crystalline silica.



The Q accompanied with the sign “+” indicates it has a minimum of 20% of recycled material in its formula.



The figure next to the Q corresponds to the maximum percentage of content of crystalline silica (10%, 40% o 50%).

Technical Data Sheets

DEKTON® | DEKTON® XGLOSS
FAMILIES I - II - III - IV

Family I

Dekton®: Aldem, Ananke, Baltic, Borea, Bromo, Domoos, Eter, Feroe, Fossil, Galema, Kadum, Kelya, Keon, Keranium, Kira, Korus, Kovik, Kreta, Laos, Laurent, Liquid Embers, Milar, Odin, Orix, Sirius, Sirocco, Soke, Strato, Valtterra, Vegha, Ventus, Vera

Dekton® XGloss: Blaze, Korso, Lumina, Manhattan, Sogne, Spectra, Splendor

Family II

Dekton®: Ariane, Aura, Aura15, Bedrock, Entzo, Kairos, Liquid Shell, Liquid Sky, Lunar, Nayla, Nilium, Opera, Portum, Rem, Sand Drift, Uyuni, Vapour, Zenith

Dekton® XGloss: Bergen, Fiord, Glacier, Halo, Helena, Natura, Natura18, Tundra, Tundra 19, Olimpo, Vienna

Family III

Dekton®: Aeris, Aged Timber, Bento, Blanc Concrete, Danae, Dove, Edora, Gada, Irok, Makai, Mooné, Sarey, Sasea, Sterling

Dekton® XGloss: Arga, Khalo, Qatar, Rio Branco, Taga

Family IV

Dekton®: Radium, Trilium

According to EN-14411, ANSI A137.1, EN-14231, DIN 51130, DIN 51097

All the data collected in this document are based on tests carried out in independent external laboratories.

Manufacturer's name and place of production:

Company: Cosentino S.A.U.
Address: A-334 road, km 59, postal code 04850 Cantoria (Almeria) Spain

TECHNICAL
CONTENT

DEKTON[®] TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1 standards

	THICKNESS	FAMILY I	FAMILY II	FAMILY III	FAMILY IV
WEIGHT kg/m ²	8mm	20	21	20	20
	12mm	30	32	30	31
	20mm	50	52	50	51
	30mm	77	77	77	76

FLEXURAL STRENGTH EN-ISO 10545-4 TESTED FORMAT: 200x200mm	THICKNESS	FAMILY I	FAMILY II	FAMILY III	FAMILY IV
Break strength (N)	8mm	2304	2282	1993	2164
Flexural resistance (N/mm ²)		55	53	50	50
Break strength (N)	12mm	4992	4616	4947	4509
Flexural resistance (N/mm ²)		54	48	54	49
Break strength (N)	20mm	14174	13708	13629	13614
Flexural resistance (N/mm ²)		54	50	52	53

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III	FAMILY IV
Dimensions and surface quality EN ISO 10545-2	Length and width	%	0.11/-0.18	0.04/-0.08	0.04/-0.04	0.02/-0.02
	Thickness	%	0.50/-0.50	4.95/-2.20	0.53/-0.53	-1
	Straightness of sides	%	0.01/-0.01	0.03/-0.03	0.01/-0.03	0.02/-0.02
	Rectangularity	%	0.07/-0.16	0.04/-0.09	0.21/-0.21	0.08/-0.08
	Centre curvature	%	0.04/-0.08	-0.06	-0.06	-0.07
	Side curvature	%	0.06/-0.06	0.02/-0.04	0.02/-0.04	0.02/-0.02
	Warpage	%	-0.11	-0.07	-0.06	-0.04
	Surface quality	%	100	100	100	100
Water absorption, apparent porosity, density EN ISO 10545-3	Water absorption by boiling	%	0	0.1	0.1	0.1
	Water absorption by vacuum	%	0.1	0.1	0.1	0.1
	Open porosity	%	0.2	0.2	0.2	0.2
	Aparent relative density	g/cm ³	2.51	2.61	2.53	2.44
	Aparent density	g/cm ³	2.50	2.61	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	mm ³	125	106	115	119
Determination of linear thermal expansion EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	6.5·10 ⁻⁶	5.1·10 ⁻⁶	6.3·10 ⁻⁶	5.8·10 ⁻⁶

DEKTON[®] TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1 standards

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III	FAMILY IV
Thermal shock resistance EN ISO 10545-9	Damage	-	No affected	No affected	No affected	No affected
Moisture expansion EN ISO 10545-10	Expansion max	mm/m	0.1	0.1	0.1	0.1
	Expansion mid	mm/m	0.0	0.0	0.0	0.1
Frost resistance EN ISO 10545-12	Damage	-	No affected	No affected	No affected	No affected
Resistance to chemicals EN ISO 10545-13	CINH ₄ / Cleaning products	Type	A (no damage)	A (no damage)	A (no damage)	A (no damage)
	Bleach/swimming pool salts	Type	A (no damage)	A (no damage)	A (no damage)	A (no damage)
	HCl (3% v/v)	Type	LA (no damage)	LA (no damage)	LA (no damage)	LA (no damage)
	Cítric acid (100 g/l)	Type	LA (no damage)	LA (no damage)	LA (no damage)	LA (no damage)
	KOH (30 g/l)	Type	LA (no damage)	LA (no damage)	LA (no damage)	LA (no damage)
	HCl (18%)	Type	HA (no damage)	HA (no damage)	HA (no damage)	HA (no damage)
	Lactic acid (5%)	Type	HA (no damage)	HA (no damage)	HA (no damage)	HA (no damage)
	KOH (100 g/l)	Type	HA (no damage)	HA (no damage)	HA (no damage)	HA (no damage)
Resistance to staining EN ISO 10545-14	Green agent	Clase	5	5	5	5
	Iodine (solution)	Clase	5	5	5	5
	Olive oil	Clase	5	5	5	5
Absorption and bulk gravity ASTM C97	Average weight percent absortion	%	0.02	0.04	0.02	0.04
	Average density	lb/ft³	156	160.63	157.6	152.7
Modulus of rupture ASTM C99	Average modulus of rupture dry conditions	psi	8128	9042	7369	*
	Average modulus of rupture wet conditions	psi	7490	8446	7480	*
Compressive strength ASTM C170	Average compressive strength dry conditions	psi	34409	> 55000	44882	53800
	Average compressive strength wet conditions	psi	17823	> 55000	40165	58600
Moisture expansion ASTM C370	Average moisture expansion	%	0.02	0.005	0.004	0.02
Water absorption, porosity ASTM C373	Average water absorption	%	0.03 (Impervious)	0.05 (Impervious)	0.01 (Impervious)	0.0 (Impervious)
Bond strength ASTM C482	Average bond strength	psi	423	437	357	454
Thermal shock resistance ASTM C484	Defectos	-	No defects	No defects	No defects	No defects
Relative resistance to wear (Taber abrasion) ASTM C501	Average Abrasive Wear Index	-	182.2	337	240	239

(*) Ongoing test.

(**): Consult application for these colors.

(***): n/c: does not classify.

DEKTON[®] TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1 standards

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III	FAMILY IV
Breaking strength ASTM C648	Average breaking strength	lbf	3963	4896	3932	1194
Resistance to chemical substances ASTM C650	Common cleaning chemicals					
	Acetic acid, 3% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Acetic acid, 10% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Ammonium chloride, 100 g/L	-	Not affected	Not affected	Not affected	Not affected
	Citric acid solution, 30 g/L	-	Not affected	Not affected	Not affected	Not affected
	Citric acid solution, 100 g/L	-	Not affected	Not affected	Not affected	Not affected
	Lactic acid, 5% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Phosphoric acid, 3% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Phosphoric acid, 10% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Sulfamic acid, 30 g/L	-	Not affected	Not affected	Not affected	Not affected
	Sulfamic acid, 100 g/L	-	Not affected	Not affected	Not affected	Not affected
	Swimming pool chemicals					
	Sodium hypochlorite solution, 20 mg/L	-	Not affected	Not affected	Not affected	Not affected
	Acids and bases					
	Hydrochloric acid solution, 3% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Hydrochloric acid solution, 18% (v/v)	-	Not affected	Not affected	Not affected	Not affected
	Potassium hydroxide, 30 g/L	-	Not affected	Not affected	Not affected	Not affected
	Potassium hydroxide, 100 g/L	-	Not affected	Not affected	Not affected	Not affected
Flexural properties ASTM C674	Average modulus of rupture	psi	8990	8836	9005	8023
Flexural strength ASTM C880	Average flexural strength dry conditions	psi	6840	3118	5858	6068
	Average flexural strength wet conditions	psi	6205	4187	5119	6249
Static coefficient of friction (skid resitance) ASTM C1028	Static coefficient of friction dry	-	0.80	0.77	0.77	0.76
	Static coefficient of friction wet	-	0.66	0.56	0.69	0.61
Abrasion resistance ASTM C1353	Average index of abrasion	-	349	349.48	265.8	263

DEKTON[®] SLIPPERINESS | According to EN-14231, DIN 51130, DIN 51097 and ANSI A137.1

TEST STANDARD	FINISH	VALUE
EN-14231 (USRV wet)	Dekton [®] Matt	Smooth Matt
		Textured Matt - Slate/Limestone
		15 < Rd < 35
	Dekton [®] Velvet	Textured Matt - Wood
		Velvet - Satin matt
		15 < Rd < 35
		Textured Velvet
	Dekton [®] XGloss	Polished
	Dekton [®] Grip+	Anti-slip
		Rd <15
		Rd >45

TEST STANDARD	FINISH	VALUE
DIN 51130 DIN 51097	Dekton [®] Mate	Smooth Matt
		Textured Matt - Slate/Limestone
		R9 n/c
	Dekton [®] Velvet	Textured Matt - Wood
		n/c A
		Velvet - Satin matt
		Textured Velvet
	Dekton [®] XGloss	Polished
	Dekton [®] Grip+	Anti-slip
		n/c n/c
		R9 A
		R11 C

TEST STANDARD	FINISH	VALUE
ANSI A137.1 DCOF	Dekton [®] Mate	Smooth Matt
		Textured Matt - Slate/Limestone
		Textured Matt - Wood
	Dekton [®] Velvet	Velvet - Satin matt
		Textured Velvet
	Dekton [®] XGloss	Polished
	Dekton [®] Grip+	Anti-slip
		≥ 0,42
		≤ 0,21
		≥ 0.69

FINISH		COLORS
Dekton [®] Mate	Smooth Matt	Aeris, Aura, Aura15, Baltic, Bedrock, Danae, Domoos, Entzo, Eter, Feroe, Fossil, Galema, Irok, Kadum, Kairos, Kelya, Keon, Keranium, Kira, Korus, Kovik, Laos, Lunar, Milar, Mooné, Nayla, Nilium, Orix, Radium, Sand Drift, Sarey, Sasea, Sirocco, Strato, Soke, Trilium, Uyuni, Vapour, Vegha, Ventus, Vera, Zenith
	Textured Matt - Slate/Limestone	Blanc Concrete, Bromo, Dove, Edora, Gada, Laurent, Liquid Embers, Liquid Sky, Sirius, Valterra
	Textured Matt - Wood	Aged Timber, Aldem, Ananké, Ariane, Bento, Borea, Makai, Odin
Dekton [®] Velvet	Velvet - Satin matt	Opera, Portum, Sterling
	Textured Velvet	Liquid Shell, Rem
Dekton [®] XGloss	Polished	Arga, Bergen, Blaze, Fiord, Glacier, Halo, Helena, Khalo, Korso, Lumina, Manhattan, Natura, Natura18, Olimpo, Qatar, Sogne, Spectra, Splendor, Taga, Tundra, Tundra 19, Vienna
Dekton [®] Grip+	Anti-slip	Keon, Kreta, Orix, Soke, Vera, Aeris (**), Aura 15 (**), Danae (**), Eter (**), Kira (**), Laos (**), Lunar (**), Nayla (**), Nilium (**), Makai (**), Sasea (**), Sirocco (**), Strato (**), Trilium (**)
(*) Ongoing test.		(**): Consult application for these colors.
		(***): n/c: does not classify.

DEKTON[®] XGLOSS TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III
Dimensions and surface quality EN ISO 10545-2	Length and width	%	0.11/-0.18	0.04/-0.08	*
	Thickness	%	0.50/-0.50	4.95/-2.20	*
	Straightness of sides Rectangularity	%	0.01/-0.01	0.03/-0.03	*
	Centre curvature	%	0.07/-0.16	0.04/-0.09	*
	Side curvature	%	0.04/-0.08	-0.06	*
	Warpage	%	0.06/-0.06	0.02/-0.04	*
	Surface quality	%	-0.11	-0.07	*
		%	100	100	*
Water absorption, apparent porosity, density EN ISO 10545-3	Water absorption by boiling Water	%	0	0.1	*
	absortion by vacuum	%	0.1	0.1	*
	Open porosity	%	0.2	0.2	*
	Aparent relative density	g/cm ³	2.51	2.61	*
	Aparent density	g/cm ³	2.50	2.61	*
Flexural tensile strength or modulus of rupture EN ISO 10545-4	Average flexural resistance	N/mm ²	46	45	55
	Average break load	N	2548	2313	2356
	Average break strength	N	14966	13559	13818
Impact resistance EN ISO 10545-5					
	Coefficient of restitution (COR)	-	0.85	0.85	*
Resistance to deep abrasion EN ISO 10545-6					
	Wear volume	mm ³	125	106	*
Determination of linear thermal expansion EN ISO 10545-8					
	Expansion 30-100°C	°C ⁻¹	6.5·10 ⁻⁶	5.1·10 ⁻⁶	*
Thermal shock resistance EN ISO 10545-9					
	Damage	-	Pasa/sin daño	Pasa/sin daño	*
Moisture expansion EN ISO 10545-10					
	Expansion max	mm/m	0.1	0.1	*
	Expansion mid	mm/m	0.0	0.0	*
Frost resistance EN ISO 10545-12					
	Damage	-	Not affected	Not affected	*
Resistance to chemicals EN ISO 10545-13	CINH ₄ / Cleaning products	Type	A (no damage)	A (no damage)	A (no damage)
	Bleach/swimming pool salts	Type	A (no damage)	A (no damage)	A (no damage)
	HCl (3% v/v)	Type	LA (no damage)	LA (no damage)	LA (no damage)
	Cítric acid (100 g/l)	Type	LA (no damage)	LA (no damage)	LA (no damage)
	HCl (18%)	Type	HA (no damage)	HA (no damage)	HA (no damage)
	Lactic acid (5%)	Type	HA (no damage)	HA (no damage)	HA (no damage)

(*) Ongoing test.

(**): Consult application for these colors.

(***): n/c: does not classify.

DEKTON[®] XGLOSS TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III
Resistance to staining EN ISO 10545-14	Green agent	Clase	5	5	*
	Iodo (solución)	Clase	5	5	*
	Aceite de oliva	Clase	5	5	*
Absorption and bulk gravity ASTM C97	Average weight percent absorption	%	0.02	0.04	0.02
	Average density	lb/ft ³	156	160.63	157.6
Modulus of rupture ASTM C99	Average mod. of rupture dry conditions	psi	8128	9042	7369
	Average mod. of rupture wet conditions	psi	7490	8446	7480
Compressive strength ASTM C170	Average compressive strength dry conditions	psi	34409	> 55000	44882
	Average compressive strength wet conditions	psi	17823	> 55000	40165
Moisture expansion ASTM C370	Average moisture expansion	%	0.02	0.005	0.004
Water absorption, apparent porosity ASTM C373	Average water absorption	%	0.03 (Impervious)	0.05 (Impervious)	0.01 (Impervious)
Bond strength ASTM C482	Average bond strength	psi	423	437	357
Thermal shock resistance ASTM C484	Defects	.	No defects	No defects	No defects
Relative resistance to wear (Taber abrasion) ASTM C501	Average Abrasive Wear Index	-	182.2	337	240
Breaking strength ASTM C648	Average breaking strength	lbf	3963	4896	3932
Resistance to chemical substances ASTM C650	Common cleaning chemicals				
	Acetic acid, 3% (v/v)	-	Not affected	Not affected	Not affected
	Acetic acid, 10% (v/v)	-	Not affected	Not affected	Not affected
	Ammonium chloride, 100 g/L	-	Not affected	Not affected	Not affected
	Citric acid solution, 30 g/L	-	Not affected	Not affected	Not affected
	Citric acid solution, 100 g/L	-	Not affected	Not affected	Not affected
	Lactic acid, 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
	Sulfamic acid, 30 g/L	-	Not affected	Not affected	Not affected
	Sulfamic acid, 100 g/L	-	Not affected	Not affected	Not affected
	Swimming pool chemicals				
	Sodium hypochlorite solution, 20 mg/L	-	Not affected	Not affected	Not affected

(*) Ongoing test.

(**): Consult application for these colors.

(***): n/c: does not classify.

DEKTON[®] XGLOSS TECHNICAL DATA SHEET | According to EN-14411, ANSI A137.1

TEST STANDARD	DETERMINATION	Unit	FAMILY I	FAMILY II	FAMILY III
Resistance to chemical substances ASTM C650	Acids and bases				
	Hydrochloric acid solution, 3% (v/v)	-	Not affected	Not affected	Not affected
	Hydrochloric acid solution, 18% (v/v)	-	Not affected	Not affected	Not affected
	Potassium hydroxide, 30 g/L	-	Not affected	Not affected	Not affected
	Potassium hydroxide, 100 g/L	-	Not affected	Not affected	Not affected
Flexural properties ASTM C674	Average modulus of rupture	psi	8990	8836	9005
Flexural strength ASTM C880	Average flexural strength dry conditions	psi	6840	3118	5858
	Average flexural strength wet conditions	psi	6205	4187	5119
Static coefficient of friction (slip resistance) ASTM C1028	Static coefficient of friction dry	-	0.96	0.96	0.96
	Static coefficient of friction wet	-	0.56	0.56	0.56
Abrasion resistance ASTM C1353	Average index of abrasion	-	349	349.48	265.8

(*) Ongoing test.

(**): Consult application for these colors.

(***): n/c: does not classify.