

TECHNICAL INFORMATION

DEKTON XGLOSS

Name and Identification

Product: Dekton® Xgloss

Code: Family I – II – III –

Name and address of manufacturer:

Company: Cosentino S.A

Address: Carretera A-334, km 59, código postal 04850 Cantoria (Almería) - Spain

TECHNICAL INFORMATION DEKTON XGLOSS FAMILY I

STANDARD EN-14411

(Spectra, Lumina, Blaze, Splendor, Manhattan)

Test	Standard	Determination	UD	Family I
Flexural tensile strength or modulus of rupture	EN ISO 10545-4	Average flexural resistance	N/mm ²	60
		Average break load	N	2548
		Average break strength	N	14966
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	125
Dimensions and surface quality	EN ISO 10545-2	Length and width	%	0.11/-0.18
		Thickness	%	0.50/-0.50
		Straightness of sides	%	0.01/-0.01
		Rectangularity	%	0.07/-0.16
		Centre curvature	%	0.04/-0.08
		Side curvature	%	0.06/-0.06
		Warping	%	-0.11
		Surface quality	%	100
Impact resistance	EN ISO 10545-5	Coefficient of restitution (COR)	-	0.85
Determination of linear thermal expansion	EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	6.5·10 ⁻⁶
Thermal shock resistance	EN ISO 10545-9	Damage	-	No affected
Moisture expansion	EN ISO 10545-10	Expansion max	mm/m	0.1
		Expansion mid	mm/m	0.0
Frost resistance	EN ISO 10545-12	Damage	-	No affected
Resistance to chemicals	EN ISO 10545-13	CINH ₄ / Cleaning products	Type	UA (no damage)
		Bleach/swimming pool salts	Type	UA (no damage)
		HCl (3% v/v)	Type	ULA (no damage)
		Citric acid (100 g/l)	Type	ULA (no damage)
		HCl (18%)	Type	UHA (no damage)
		Lactic acid (5%)	Type	UHA (no damage)
Resistance to staining	EN ISO 10545-14	Green agent	Type	5
		Red agent	Type	-
		Iodine (solution)	Type	5
		Olive oil	Type	5

TECHNICAL INFORMATION DEKTON XGLOSS FAMILY II

STANDARD EN-14411

(Halo, Fiord, Tundra, Glacier, Natura, Vienna)

Test	Standard	Determination	UD	Family II
Flexural tensile strength or modulus of rupture	EN ISO 10545-4	Average flexural resistance	N/mm ²	67
		Average break load	N	2313
		Average break strength	N	13559
Water absorption, apparent porosity, density	EN ISO 10545-3	Water absorption by boiling	%	0.1
		Water absorption by vacuum	%	0.1
		Open porosity	%	0.2
		Apparent relative density	g/cm ³	2.61
		Apparent density	g/cm ³	2.61
Resistance to deep abrasion	EN ISO 10545-6	Wear volume	mm ³	106
Dimensions and surface quality	EN ISO 10545-2	Length and width	%	0.04/-0.08
		Thickness	%	4.95/-2.20
		Straightness of sides	%	0.03/-0.03
		Rectangularity	%	0.04/-0.09
		Centre curvature	%	-0.06
		Side curvature	%	0.02/-0.04
		Warping	%	-0.07
		Surface quality	%	100
Impact resistance	EN ISO 10545-5	Coefficient of restitution (COR)	-	0.85
Determination of linear thermal expansion	EN ISO 10545-8	Expansion 30-100°C	°C ⁻¹	5.1·10 ⁻⁶
Thermal shock resistance	EN ISO 10545-9	Damage	-	No affected
Moisture expansion	EN ISO 10545-10	Expansion max	mm/m	0.1
		Expansion mid	mm/m	0.0
Frost resistance	EN ISO 10545-12	Damage	-	No affected
Resistance to chemicals	EN ISO 10545-13	CINH ₄ / Cleaning products	Type	UA (no damage)
		Bleach/swimming pool salts	Type	UA (no damage)
		HCl (3% v/v)	Type	ULA (no damage)
		Citric acid (100 g/l)	Type	ULA (no damage)
		HCl (18%)	Type	ULA (no damage)
		Lactic acid (5%)	Type	ULA (no damage)
Resistance to staining	EN ISO 10545-14	Green agent	Type	5
		Red agent	Type	-
		Iodine (solution)	Type	5
		Olive oil	Type	5

TECHNICAL INFORMATION DEKTON XGLOSS FAMILY III

STANDARD EN-14411

(Qatar)

Test	Standard	Determination	UD	Family III
Flexural tensile strength or modulus of rupture	EN ISO 10545-4	Average flexural resistance	N/mm ²	*
		Average break load	N	*
		Average break strength	N	*
Water absorption, apparent porosity, density	EN ISO 10545-3	Water absorption by boiling	%	*
		Water absorption by vacuum	%	*
		Open porosity	%	*
		Apparent relative density	g/cm ³	*
		Apparent density	g/cm ³	*
Resistance to deep abrasion	EN ISO 10545-6	Wear volume	mm ³	*
Dimensions and surface quality	EN ISO 10545-2	Length and width	%	*
		Thickness	%	*
		Straightness of sides	%	*
		Rectangularity	%	*
		Centre curvature	%	*
		Side curvature	%	*
		Warping	%	*
		Surface quality	%	*
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	-	*
Moisture expansion	EN ISO 10545-10	Expansion max	mm/m	*
		Expansion mid	mm/m	*
Frost resistance	EN ISO 10545-12	Damage	-	*
Resistance to chemicals	EN ISO 10545-13	CINH ₄ / Cleaning products	Type	*
		Bleach/swimming pool salts	Type	*
		HCl (3% v/v)	Type	*
		Citric acid (100 g/l)	Type	*
		HCl (18%)	Type	*
		Lactic acid (5%)	Type	*
Resistance to staining	EN ISO 10545-14	Green agent	Type	*
		Red agent	Type	*
		Iodine (solution)	Type	*
		Olive oil	Type	*

* Pending test

SLIPPERINESS DEKTON XGLOSS FAMILY I – III

STANDARD EN-14231

Finishing	Color	Determination	Value
Polish	Spectra	USRV dry USRV humid	103 10
	Lumina		
	Blaze		
	Splendor		
	Halo		
	Fiord		
	Tundra		
	Glacier		
	Manhattan		
	Natura		
	Qatar		
	Vienna		

DIN 51130 AND DIN 51097

Finishing	Color	Norm	Value (°)	Type
Polish	Spectra	DIN 51130 DIN 51097	1.1 8	- -
	Lumina			
	Blaze			
	Splendor			
	Halo			
	Fiord			
	Tundra			
	Glacier			
	Manhattan			
	Natura			
	Qatar			
	Vienna			