

## **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 <sup>2</sup>	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 <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>	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 <sup>-1</sup>	6.5·10 <sup>-6</sup>
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 <sub>4</sub> / 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 <sup>2</sup>	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 <sup>3</sup>	2.61
		Apparent density	g/cm <sup>3</sup>	2.61
Resistance to deep abrasion	EN ISO 10545-6	Wear volume	mm <sup>3</sup>	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 <sup>-1</sup>	5.1·10 <sup>-6</sup>
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 <sub>4</sub> / 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 <sup>2</sup>	*
		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 <sup>3</sup>	*
		Apparent density	g/cm <sup>3</sup>	*
Resistance to deep abrasion	EN ISO 10545-6	Wear volume	mm <sup>3</sup>	*
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 <sup>-1</sup>	*
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 <sub>4</sub> / 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			