



COSENTINO
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TECHNICAL INFORMATION

DEKTON

Name and Identification

Product: Dekton®

Code: Family I

(Domoos, Sirius, Sirocco, Kadum, Strato, Keranium, Ananké, Vegha, Ventus, Korus, Galema, Keon, Kelya, Borea)

Name and address of manufacturer:

Company: Cosentino S.A

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

TECHNICAL INFORMATION DEKTON FAMILY I

STANDARD EN-14411

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	2,548
		Average break strength	N	14,966
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
		Warpage	%	-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)
		KOH (30 g/l)	Type	ULA (no damage)
		HCl (18%)	Type	UHA (no damage)
		Lactic acid (5%)	Type	UHA (no damage)
		KOH (100 g/l)	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

SLIPPERINESS DEKTON FAMILY I

STANDARD EN-14231

Finishing	Color	Determination	Value
Natural	Domoos	USRV dry USRV humid	48 23
	Strato		
	Sirocco		
	Kadum		
	Keranium		
	Vegħa		
	Ventus		
	Korus		
	Galema		
	Keon		
Kelya			
Slate-like	Sirius	USRV dry	49
		USRV humid	22
Wood-like	Ananké Borea	USRV dry	44
		USRV humid	21

ACCORDING TO DIN 51130 AND DIN 51097 STANDARDS

Finishing	Color	Norm	Value (°)	Type
Natural	Domoos	DIN 51130 DIN 51097	7,2 8	R9 -
	Strato			
	Sirocco			
	Kadum			
	Keranium			
	Vegħa			
	Ventus			
	Korus			
	Galema			
	Keon			
Kelya				
Slate-like	Sirius	DIN 51130	6,7	R9
		DIN 51097	9	
Wood-like	Ananké Borea	DIN 51130	5,7	- A
		DIN 51097	14	