



COSENTINO®
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TECHNICAL INFORMATION

DEKTON

Name and Identification

Product: Dekton®

Code: Family III

(Danae, Irok, Edora, Makai)

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 III

STANDARD EN-14411

Test	Standard	Determination	UD	Family III
Flexural tensile strength or modulus of rupture	EN ISO 10545-4	Average flexural resistance	N/mm ²	59
		Average break load	N	2,356
		Average break strength	N	13,818
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	2.53
		Apparent density	g/cm ³	2.52
Resistance to deep abrasion	EN ISO 10545-6	Wear volume	mm ³	115
Dimensions and surface quality	EN ISO 10545-2	Length and width	%	0.04/-0.04
		Thickness	%	0.53/-0.53
		Straightness of sides	%	0.01/-0.03
		Rectangularity	%	0.21/-0.21
		Centre curvature	%	-0.06
		Side curvature	%	0.02/-0.04
		Warpage	%	-0.06
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	0.6-10-6
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	ULA (no damage)
		Lactic acid (5%)	Type	ULA (no damage)
KOH (100 g/l)	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

SLIPPERINESS DEKTON FAMILY III

STANDARD EN-14231

Finishing	Color	Determination	Value
Natural	Danae Irok	USRV dry USRV humid	48 23
Wood-like	Makai	USRV dry USRV humid	44 21
Textured	Edora	Pending test	

ACCORDING TO DIN 51130 AND DIN 51097 STANDARDS

Finishing	Color	Norm	Value (°)	Type
Natural	Danae Irok	DIN 51130 DIN 51097	7,2 8	R9 -
Wood-like	Makai	DIN 51130 DIN 51097	5,7 14	- A
Textured	Edora	Pending test		