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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

ACCORDING TO ASTM STANDARD (AMERICAN SOCIETY FOR TESTING AND MATERIALS)

Test	Standard	Determination	Units	Family I
Moisture expansion	ASTM C370	Average moisture expansion	%	0.02
Breaking strength	ASTM C648	Average breaking strength	lbf	3,963
Flexural properties	ASTM C674	Average modulus of rupture	psi	10,828
Water absorption, bulk density, apparent porosity and apparent specific gravity	ASTM C373	Average water absorption	%	0.03 (Impervious)
Static coefficient of friction (skid resistance)	ASTM C1028	static coef. Friction dry	-	0.80
		static coef. Friction wet	-	0.66
Wet dynamic coefficient of friction (DCOF)	ANSI A137.1 section 9.6.1	Average DCOF	-	0.57
Relative resistance to wear (Taber abrasion)	ASTM C501	Average Abrasive Wear Index		182,2
Thermal shock resistance	ASTM C484	Defects	-	No defects
Bond strength	ASTM C482	Average bond strength	psi	423
Resistance to chemical substances	ASTM C650	Common Household and cleaning chemicals		
		Acetic acid, 3% (v/v)	-	No affected
		Acetic acid, 10% (v/v)	-	No affected
		Ammonium chloride, 100 g/L	-	No affected
		Citric acid solution, 30 g/L	-	No affected
		Citric acid solution, 100 g/L	-	No affected
		Lactic acid, 5% (v/v)	-	No affected
		Phosphoric acid, 3% (v/v)	-	No affected
		Phosphoric acid, 10% (v/v)	-	No affected
		Sulfamic acid, 30 g/L	-	No affected
		Sulfamic acid, 100 g/L	-	No affected
		Swimming pool chemicals		
		Sodium hypochlorite solution, 20 mg/L	-	No affected
		Acids and bases		
		Hydrochloric acid solution, 3% (v/v)	-	No affected
		Hydrochloric acid solution, 18% (v/v)	-	No affected
		Potassium hydroxide, 30 g/L	-	No affected
Potassium hydroxide, 100 g/L	-	No affected		
Absorption and bulk gravity	ASTM C97	Average weight percent absorption	%	0.02
		Average density	lb/ft ³	156
Modulus of rupture	ASTM C99	Average modulus of rupture dry conditions	psi	8,128
		Average modulus of rupture wet conditions	psi	7,490
Flexural strength	ASTM C880	Average flexural strength dry conditions	psi	6,840
		Average flexural strength wet conditions	psi	6,205
Compressive strength	ASTM C170	Average compressive strength dry conditions	psi	34,409
		Average compressive strength wet conditions	psi	17,823
Abrasion resistance	ASTM C1353	Average index of abrasion	-	349