



TECHICAL DATA SHEET QUARTZ COMPAC



ACCORDING TO EN-15285, EN-15286, ASTM STANDARDS.

TECHNICAL CHARACTERISTICS				
TEST / STANDARD	UNITS / DETERMINATION	RESULTS		
		FUNCTIONAL	UNIQUE	GENESIS
Fire reaction UNE EN 13501-1	Euroclases	A2fl s1 – Bfl s1		
Thermal conductivity EN 10456	W/m·K	1,3		
Thermal expansion coefficient UNE EN 14617-11	°C ⁻¹	1,80 – 2,50·10 ⁻⁵	2,5 – 5,0·10 ⁻⁵	
Flexural strength UNE EN 14617-2	MPa	50 – 65 F4	65 – 75 F4	>70 F4
Impact resistance UNE EN 14617-9	J	6 – 10	10 – 15	
Slip resistance UNE EN 14231	USRV	Polish: 6 wet / 37 dry Glacé: 9 wet / 45 dry		
Abrasion resistance UNE EN 14617-4	mm	26 – 29		
Water absorption UNE EN 14617-1	%	0,02 – 0,04 W4		
Apparent density UNE EN 14617-1	kg/m ³	2300 – 2450	2050 – 2250	2200 – 2400
Chemical resistance UNE EN 14617-10	-	To alkalis: C4 (Material keeps at least 80% of their resistance reference value after 8 hours of basis attack). To acids: C4 (Material keeps at least 80% of their resistance reference value after 8 hours of acids attack).		
Surface hardness EN 101:1991	Mohs	6 – 7		
Thermal shock resistance ASTM C484	5 cycles	No visible defects		

All the data collected in this document are based on test carried out in external and independent laboratories.

TECHNICAL CHARACTERISTICS				
TEST / STANDARD	UNITS / DETERMINATION	RESULTS		
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Breaking strength ASTM C648	lbf	8818		
Flexural strength ASTM C880	MPa	44,9	48,9 - 71,8	52,5 - 61,6
Abrasion resistance ASTM C1353	I _w	115,2	110 - 130	50 - 85
Compressive strength ASTM C170	MPa	188	230	209
Modulus of rupture ASTM C99	MPa	55	57-75	60-70
Resistance to common household and cleaning chemicals ASTM C650-04	Acetic acid 3%	Pencil: NA	Pencil: NA	Pencil: NA
	Acetic acid 10%	Pencil: NA	Pencil: NA	Pencil: NA
	Ammonium chloride 100 g/l	Pencil: NA	Pencil: NA	Pencil: NA
	Citric acid solution 30 g/l	Pencil: NA	Pencil: NA	Pencil: NA
	Citric acid solution 100 g/l	Pencil: NA	Pencil: NA	Pencil: NA
	Lactic acid 5%	Pencil: NA	Pencil: NA	Pencil: NA
	Phosphoric acid 3%	Pencil: NA	Pencil: NA	Pencil: NA
	Phosphoric acid 10%	Pencil: NA	Pencil: NA	Pencil: NA
	Sulfamic acid 30 g/l	Pencil: NA	Pencil: NA	Pencil: NA
	Sulfamic acid 100 g/l	Pencil: NA	Pencil: NA	Pencil: NA
Resistance to swimming pool chemicals ASTM C650-04	Sodium hypochlorite solution 20 mg/l	Pencil: NA	Pencil: NA	Pencil: NA
Resistance to chemicals: acids and bases ASTM C650-04	Hydrochloric acid 3%	Pencil: NA	Pencil: NA	Pencil: NA
	Hydrochloric acid 18%	Pencil: NA	Pencil: NA	Pencil: NA
	Potassium hydroxide 30 g/l	Pencil: NA	Pencil: Brightness change	Pencil: Brightness change
	Potassium hydroxide 100 g/l	Pencil: Brightness change	Pencil: Brightness change	Pencil: Brightness change

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TECHNICAL CHARACTERISTICS				
TEST / STANDARD	UNITS / DETERMINATION	RESULTS		
		FUNCTIONAL	UNIQUE	GENESIS
Resistance to staining ASTM C1378	Contrasting grout	Not affected	Not affected	Not affected
	Black carbon lamp	Not affected	Not affected	Not affected
	Waterproof black ink	Affected	Not affected	Affected
	Washable ink	Affected	Not affected	Affected
	Potassium permanganate sol 1% (v/v)	Not affected	Not affected	Not affected
	Methylene blue solution 1% (v/v)	Not affected	Not affected	Not affected

The values shown on this data sheet are typical values and not vinculant.
For further information, please contact our technical department.

Functional

Luna, Plomo, Venecia, Moon, Ceniza, Arena, Nocturno, Zement Ice, Glaciar, Smoke Grey, Alaska, Absolute Blanc, Carrara, Snow.

Unique

U. Calacatta*, U. Calacatta Gold*, U. Calacatta Black*, U. Calacatta Macchia Vecchia*, U. Carrara*, U. Pietra*, U. Portoro*, U. Marquina*, U. Statuario*, U. Statuario Gold*, U. Argento*, U. Venatino*, U. Arabescato*, U. Bianco*.

Genesis

Ice White*, Ice Black*, Ice Max Black*, Cobweb*, Ice Max Pure*, Nebulous Gold*, Ice Gold*, Ice Viola*, Ice Ink*, Ice Green*, Ice Max Viola*, Ice Max Green*, Ice Max Gold*.



*Made with raw materials of Bio origin.



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