



COMPAC

TECHNICAL DATA SHEET
OBSIDIANA COMPAC

/

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

TECHNICAL CHARACTERISTICS		
TEST / STANDARD	UNITS / DETERMINATION	RESULTS
Fire reaction UNE EN 13501-1	Euroclases	A2fl s1
Thermal conductivity EN 10456	W/m·K	1,1
Thermal expansion coefficient UNE EN 14617-11	°C ⁻¹	1,20 – 1,5·10 ⁻⁵
Flexural strength UNE EN 14617-2	MPa	40 – 60
Impact resistance UNE EN 14617-9	J	min 2,8 (12 mm) min 5,5 (20 mm)
Slip resistance UNE EN 14231	USRV	Polish: 9 wet / 40 dry Glacé: 13 wet/ 44 dry
Abrasion resistance UNE EN 14617-4	mm	30 – 33
Water absorption UNE EN 14617-1	%	0,02 – 0,05 W ₄
Apparent density UNE EN 14617-1	kg/m ³	2250 – 2300
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).

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

TECHNICAL CHARACTERISTICS		
TEST/ STANDARD	UNITS / DETERMINATION	RESULTS
Surface hardness EN 101:1991	Mohs	6
Thermal shock resistance ASTM C484	5 cycles	No visible defects
Breaking strength ASTM C648	lbf	8818
Flexural resistance ASTM C880	MPa	36,2
Abrasion resistance ASTM C1353	I_w	67,4
Compressive strength ASTM C170	MPa	181,4
Modulus of rupture ASTM C99	MPa	44,8
Resistance to common household and cleaning chemicals ASTM C650-04	Acetic acid 3%	Pencil: NA
	Acetic acid 10%	Pencil: NA
	Ammonium chloride 100 g/l	Pencil: NA
	Citric acid solution 30 g/l	Pencil: NA
	Citric acid solution 100 g/l	Pencil: NA
	Lactic acid 5%	Pencil: NA
	Phosphoric acid 3%	Pencil: NA
	Phosphoric acid 10%	Pencil: NA
	Sulfamic acid 30 g/l	Pencil: NA
Sulfamic acid 100 g/l	Pencil: NA	

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TECHNICAL CHARACTERISTICS		
TEST / STANDARD	UNITS / DETERMINATION	RESULTS
Resistance to chemicals: acids and bases ASTM C650-04	Sodium hypochlorite solution 20 mg/l	Pencil: NA
Resistance to chemicals: acids and bases ASTM C650-04	Ácido clorhídrico 3% Ácido clorhídrico 18% Hidróxido potásico 30 g/l Hidróxido potásico 100 g/l	Pencil: NA Pencil: NA Pencil: Brightness change Pencil: Brightness change
Resistance to staining ASTM C1378	Contrasting grout Black carbon lamp Waterproof black ink Washable ink Potassium permanganate sol 1% (v/v) Methylene blue solution 1% (v/v)	Not affected Not affected Not affected 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.

Volcano: V. Dark, V. Pearl, V. Grey, V. Fog, V. Light

Astral: A. Titaneo, A. Azabache, A. Lactea.



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