

COMPAC
THE SURFACES COMPANY

TECHNICAL
DATA SHEET
OBSIDIANA
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PRODUCT
DESCRIPTION

Engineered stone made with recycled glass, feldspar and poliester resin. Crystalline Silica content <= 7%.

TECHNICAL CHARACTERISTICS			
PROPERTY	TEST STANDARD	UNITIES	RESULTS
Fire reaction (Euroclasses)	EUROCLASSES UNE-EN-ISO 9239-1:2002 and ISO 1716:2002	EUROCLASSES	A2fl s1
Coefficient of linear thermal expansion	UNE EN 14617-11 Agglomerated stone. Determination of coefficient of linear thermal expansion.	°C-1	1,2 - 1,5 * 10-5
Flexural strength	UNE EN 14617-2 Agglomerated stone. Determination of flexural strenght.	Mpa	'40-60
Thermal shock resistance	UNE EN 14617-6 Agglomerated stone. Determination of thermal shock resistance.	%	'ΔRf,20 = 4-14% Δm <-0,1
Impact Resistance	UNE EN 14617-9 Agglomerated stone. Determinaton of Impact resistance.	J	min 2,8 (12 mm) min 4,8 (20 mm)
Slip resistance	UNE EN 14231: 2003 Natural Stone Test Methods. Determination of the slip resistance by means of the pendulum tester.	USRV	Polish: 13 wet/ 44 dry
Abrasion resistance	UNE EN 14617-4 Agglomerated stone. Determination of the abrasion resistance.	mm	33 - 34
Water absorption	UNE EN 14617-1 Agglomerated stone. Determination of water absorption.	%	0,04 - 0,06
Apparent density	UNE EN 14617-1 Agglomerated stone. Determination of water absorption.	g/cm3	2250 - 2350
Chemical resistance	UNE EN 14617-10 Agglomerated stone. Determination of chemical resistance.	Basic Attack Acid Attack	C4*
Surface Hardness	EN 101:1991 Ceramic tiles. Determination of scratch hardness of surface according to Mohs.	-	6

*C4: Keeps at least 80% of the reference reflection value after 8 hour attack

The values in this data sheet are only typical values and not vinculant. For more information or test reports please contact our quality department.