COVERINGSETC

BIO-GLASS™

Technical Specifications

BIO-GLASS®
TECHNICAL SPECIFICATIONS

TEST PERFORMED	RESULTS	DIN
Dimensions Maximum panel size	2800 x 1250 [mm], thickness 20/23 [mm]	
Dimensional tolerances Dimensions	±1,20 [mm] ±1,00 [mm] high polish	
Approx. 2,4 [g/cm_]		
Approx. 60,00 [kg]		
Bending strength Characteristic value 5% fractile	Approx. >22 [N/mm_]	DIN 52112
Tearing strength attachment point {anchors attached to the rear from the firm of Keil, placement depth 13 mm}	Approx. 3,2 [KN] {average value}	
Elasticity module	Approx. 57 [kN/mm_] average value	
Hardness (According to Mohs)	6	DIN EN 101
Heat expansion 20-100°C	7,95 [10-6/K]	DIN EN 103
Heat conductivity at 64°C	1,04 [W/m K]	
Specific heat capacity Cp	0,7 [J/g K]	
Water absorption	< 0,1 [Ma.-%]	DIN EN 99
Frost resistance	No trials with visible defects	DIN EN 202
Stain resistance	Class 1	DIN EN 122
Chemical resistance	Class AA	DIN EN 122
Acid resistance	Class AA	DIN EN 122
Caustic resistance	Class A	DIN EN 122
Fire class	Class A	DIN 4102
Surface wear	Class II, 300 revolutions	DIN EN 154
Slip resistance	No test for polished	DIN 51130
Surface area	High polish	
Surface properties	Closed surface, therefore easy cleaning with all traditional cleaning agents and solvents	
Edge finish	All panels are supplied with facetted edges	
Application / processing	Flooring, Wall Details, Counter and Worktops	
Finish	Bio-Glass can be sawn and drilled with water-cooled diamond tools at the construction site	
Environment	Bio-Glass is 100% recyclable	