

SFIBRAL SKALA is a high density non combustibile fiber cement wall panel with a special ceramic coating as top layer.

Mainly used at hospitals, laboratories and public buildings.

Technical data

Version: January 2023.

Properties	Standard	Unit	SKALA 4	SKALA 7	SKALA 9
Nominal thickness		mm	4 mm	7 mm	9 mm
Standard sizes (trimmed)		mm	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250	2510 x 1250 3050 x 1250
Density		kg / m ³	1900 ± 50	1900 ± 50	1900 ± 50
Tolerance thickness		mm	± 0,2	± 0,2	± 0,2
Tolerance lenght		mm	± 5	± 5	± 5
Tolerance width		mm	± 4	± 4	± 4
Fire behavior	DIN EN 13501-1	im Verbund	A2,s1,d0	A2,s1,d0	A2,s1,d0
Elasticity modulus		N / mm ²	≥ 12.000	≥14.700	≥15.600
Tensile bending strenght		Mpa	≥ 45	≥ 51	≥ 58
Fmax		N	111	480	565
Expansion		%	0,58	0,6	0,62
Brinell hardness	EN ISO 650-1	HBW 6,25/3,18	99,5	99,5	99,5
Falling ball test	EN 438-T2	mm	2	2	2
Scratch resistance	EN 438-2:2016	N	9	9	9
Abrasion resistance	EN13310-2003	mg	Δm-48 mg	Δm-48 mg	Δm-48 mg
Adhesion	DIN EN ISO 4624	N/mm ²	1,29	1,29	1,29
Resistance against impact of health sector equipment	DIN 13411:1999-02	---	OK according standard	OK according standard	OK according standard

Resistance to chemicals

Bose Sterillium	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Terralin Protect	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Sensiva hand disinfection	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor concentrate	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 8g / 100g water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5
Chlor 10mg / 1 Ltr. Water	ISO 19712	Level1	Grade 5	Grade 5	Grade 5