

# SFIBRAL

FIBER CEMENT PANELS

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# SFIBRAL STRUCTURE

## technical product data sheet

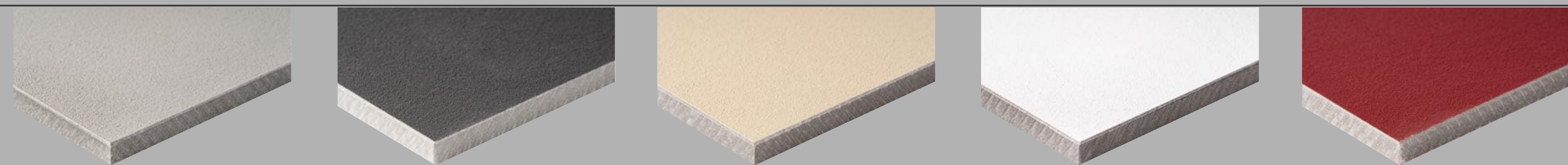


Made in  
Austria

Most RAL and  
NCS colors

Gray base & through  
coloured panels

# SFIBRAL STRUCTURE



Resistance to ageing and to chemicals	Similar to unreinforced concrete. Normal salted air environment (coastal areas) does not affect the functional performances of the panels.
Coating	Visible face – Pure acrylate coating Back face – Water-resisting (hydrophobic) coating
Usable format (maximal value) length and width (mm)	Length – 3050/2510, Width – 1250
Tensile bending (MPa) Minimum strength lengthwise to fibre (5 % fraction) Minimum strength crosswise to fibre (5 % fraction) Design value	20.00 28.00 9.1
Fire classification (according to EN13501-1)	A2-s1,d0
Fire performance	Non-inflammable, incombustible
Apparent density (g/cm <sup>3</sup> ) Minimum	1.65
Compressive strength (MPa) Minimum (5 % fraction)	40
Young's modulus (MPa) Average	15000
Shrinkage (mm/m) Longterm shrinkage, dry - wet	1.0
Coefficient of thermal expansion (1/K)	1.00 E-05
Moisture expansion (mm/m) air dried - humid	1.0
Heat conductivity (W/(m · K))	0.56
Moisture content (M.-%) Maximum value on dispatch ex works	6.0
Area density (kg/m <sup>2</sup> ) 8 mm sheet	15.6
Frost resistance according to EN 12467	Comply with category A
Heat resistance	Guaranteed up to -60 °C and + 80 °C
Moisture content in equilibrium (M.-%) at 20 % relative air humidity at 95 % relative air humidity	4.0 10.0
Light fastness	Comply according to ASTM G 155-05
Water absorption capacity (M.-%) Average value	14.0
Water vapour diffusion Vapour diffusion conductivity, wet (mg/m h Pa) Vapour diffusion resistance index Diffusion equivalent air layer thickness (m) (8 mm sheet)	0.00328 220 1.75
Coating layer thickness µm	50
Color stability according to the standard ASTM G155-13 after 3000 hours test (most not saturated shades)	dE <sub>s</sub> ≤ 1 (hardly visible with a human eye)