SFIBRAL

FIBER CEMENT PANELS

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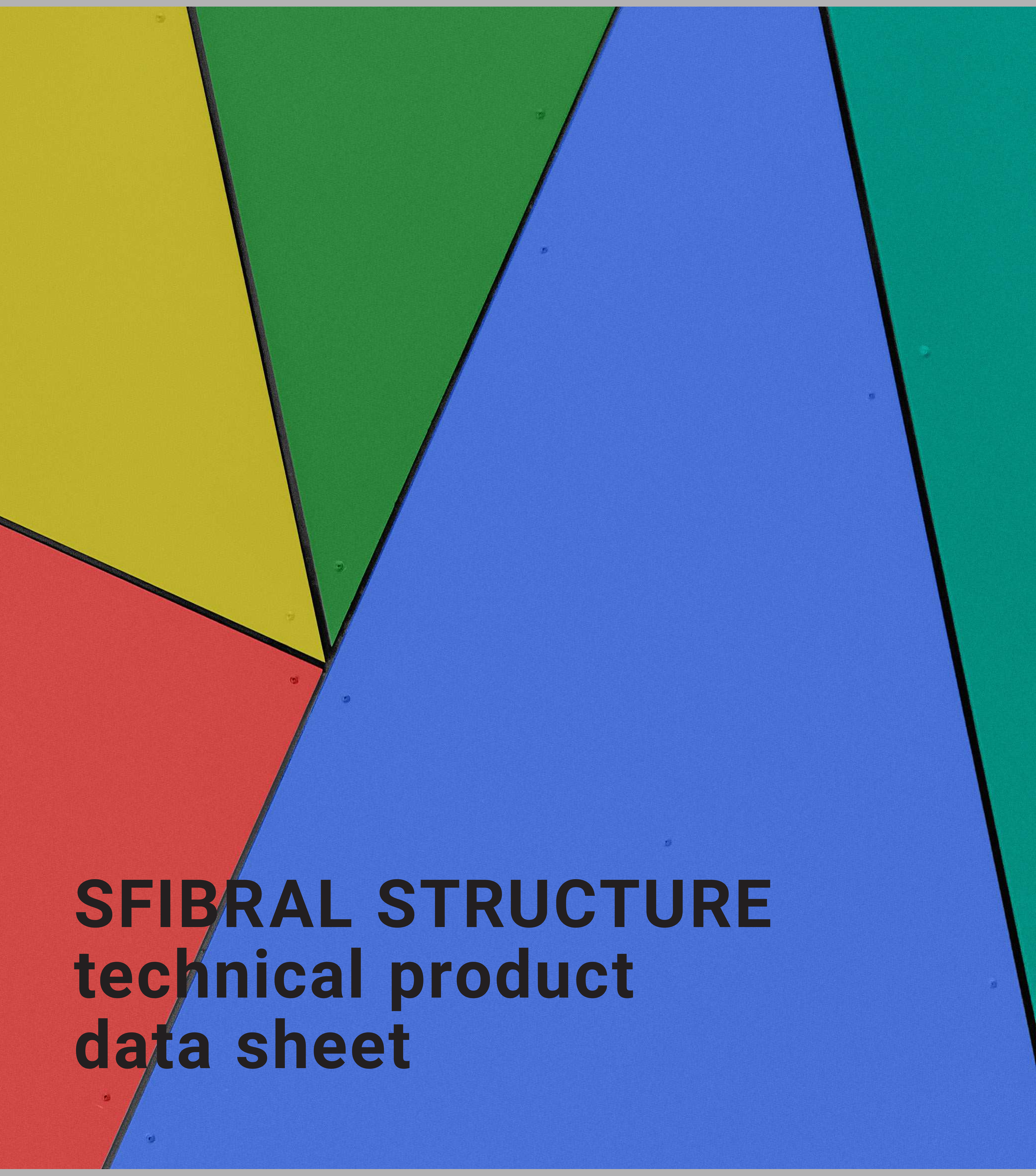


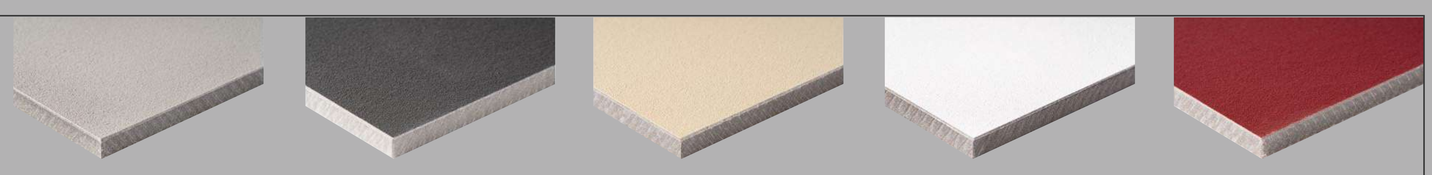
SFIBRAL STRUCTURE technical product data sheet

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/cm3) 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-0 5
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/m2) 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 accrding to ASTM G 155-05
Water absorbtion 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≤1 (hardly visible with a human eye)