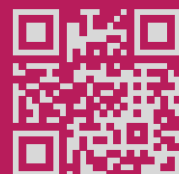


Fiber cement panels

**SFIBRAL**

# SFIBRAL Structure

Technical product data sheet



[sfibrals.com](https://sfibrals.com)

# SFIBRAL Structure

Type of product	Naturally hardened flat fiber cement sheets for exterior and interior cladding.
Type of base panel	Natural grey base
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 opaque coating. Back face — water-resisting (hydrophobic) coating
Coating layer thickness	50 µm
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)
Light fastness	Comply accrding to ASTM G 155-05
Usable format (maximal value) length and width	Length — 3050/2510 mm, width — 1250 mm
Streightness of edges	Level I, 0,5 mm
Perpendicularity (mean value)	Level I, 0,8 mm/m
Apparent density (minimum)	1650 kg/m <sup>3</sup>
Area density (average)	
8 mm sheet	13,2 kg/m <sup>2</sup>
6 mm sheet	9,9 kg/m <sup>2</sup>
Fire classification (according to EN13501-1)	A2-s1,d0
Fire performance	Non-inflammable, incombustible
Tensile bending strength (8 mm panel)	
Minimum strength lengthwise to fiber (5%)	20,0 Mpa
Minimum strength crosswise to fiber (5%)	28,0 Mpa
Design value	9,1 Mpa
Compressive strength minimum (5 % fraction)	40 Mpa
Young's modulus of elasticity minimum	15000 Mpa
Shrinkage longterm, dry - wet	1.0 mm/m
Coefficient of thermal expansion	1.00 E-05 (1/K)
Moisture expansion, air dried - humid	1.0 mm/m
Heat conductivity	0.56 W/(m·K)
Moisture content (Maximum value on dispatch EXW)	6.0 %
Frost resistance according to EN 12467	Comply with category A
Heat resistance	-60 °C and +80 °C
Moisture content in equilibrium	
at 20 % relative air humidity	4.0 %
at 95 % relative air humidity	10.0 %
Water absorbtion capacity, average value	14.0 %
Water vapour diffusion	
Vapour diffusion conductivity, wet	0.00328 mg/m h Pa
Vapour diffusion resistance index	220
Diffusion equivalent air layer thickness (8 mm sheet)	1.75 m