

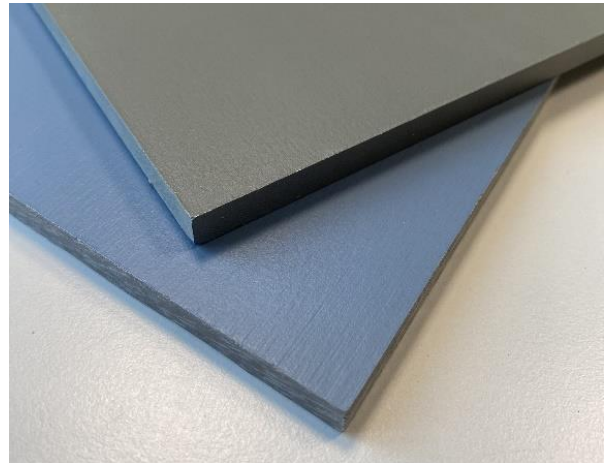
StoneREX Palette Spectra

Product page – Facade panels

Painted fiber cement board for facades and interior designs

StoneREX Palette Spectra fiber cement boards are double pressed, autoclaved and industrially painted with a smooth surface. When ordering, you can choose the base plate color between 12 colors, surface colors are available in all RAL or NCS colors, UV-resistant acrylic paint is used. When cutting, it is not required to paint over the edges or treat them for moisture resistance.

Spectra fiber cement boards stand out for their excellent mechanical properties: the strength level is the highest, i.e. 5, fire resistance class - A2-s1,d0. Boards are mainly used as facade covering material in ventilated facade systems.



Technical specification according to standard EN12467:2012+A2:2018. Fibre-cement flat sheets. Product specification and test methods.

Standard dimensions

Thickness	mm	(6), 8, 10, 12
Width	mm	1200, 1250
Length	mm	2500, 3000, 3050

Tolerances on nominal dimensions (Level 1)

On thickness	mm	+/- 0.5
On width	mm	+/- 1.0
On length	mm	+/- 2.0

Physical properties

Density (dry)	kg/m ³	1600 (+/- 50)
Nominal weight	kg/m ²	8 mm - 14.4
	kg/m ²	10 mm - 18.0
	kg/m ²	12 mm - 21.6

Mechanical properties

E modulus of elasticity

Longitudinal (dry)	GPa	14
Transversal (dry)	GPa	12
Longitudinal (wet)	GPa	11

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Transversal (wet)	GPa	9
Bending strength		
Wet	MPa	≥24
Resistance (Charpy test)		
Longitudinal	kJ/m ²	4.3
Transversal	kJ/m ²	3.1
Hydrometrical properties		
Natural humidity	%	10 ÷ 15
Max water absorption (wet over dry).	%	≤25
Moisture movement - Relative humidity change from 30% to 90%	mm/m	longitudinal - 0.7
	mm/m	transversal - 0.8
Thermal and water vapour properties		
Vapor resistance factor, μ – according to EN 12572:2016		49
Thermal conductivity – according to EN 12664:2002	W/mK	0.42
Thermal expansion coefficient – according to EN 10545-8:2014	1/°C	longitudinal - 1.71•10 ⁻⁶
	1/°C	transversal - 0.58•10 ⁻⁶
Other properties		
Freeze-thaw performance		RL≥0.75
Fire rating class	EN 13501-1	A2-s1, d0
Product category classification	EN 12467	NT A 5
Strength		Klass 5
Durability		Klass A

