

StoneREX Palette Pigmenta

Cement fiber board for outdoors and indoors.

Boards are double pressed, autoclaved and topcolored flat boards. Boards can be through colored or not - request needs to be specified while ordered. Boards are used mainly in ventilated facade constructions but also indoors. Boards stand out for their excellent mechanical characteristics: strength level 5, category A, fire class A2, cleanability of coating and wet-scrub resistance - class 1, tolerances on nominal dimensions level 1, and very low humidity absorption. Boards surface is very smooth and colored with anti-graffiti acrylic color. Top color – any NCS range color, metallic and glossy colors available as well.



Harmonized technical specification: EN 12467:2016
Fiber Cement flat sheets. Product specification and test methods.

Measurements

Thickness	mm	5, 6, 8, 10, 12, 15, 20
Width	mm	1200, 1250
Length	mm	2500, 3000, 3050

Tolerances Level 1

Thickness	mm	+/- 0.2
Width	mm	+/- 1.0
Length	mm	+/- 2.0

Physical characteristics

Bulk density	kg/m ³	1600 (+/- 50)
Normal weight	kg/m ²	8 mm - 14.4
	kg/m ²	10 mm - 18.0
	kg/m ²	12 mm - 21.6

Mechanical characteristics

E modulus of elasticity

Dry, longitudinal	GPa	14
Dry, transversal	GPa	12
Wet, longitudinal	GPa	11
Wet, transversal	GPa	9

Bending strength

Dry, longitudinal	MPa	32
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Dry, transversal	MPa	22
Wet	MPa	≥24
Compressive strength	MPa	40
Resistance (Charpy test)		
Longitudinal	kJ/m ²	4.30
Transversal	kJ/m ²	3.1
Hydrothermal characteristics		
Natural humidity	%	10 ÷ 15
Water absorption, max.	%	3±2
Moisture movement. Relative humidity change from 30% to 90%	mm/m	Longitudinal 0.7
	mm/m	Transversal 0.8
Water vapor permeability characteristics		
Vapor resistance factor, μ - acc. to EN 12572:2016		49
Thermal conductivity acc. to EN 12664:2002	W/mK	0.42
Thermal expansion coefficient acc. to EN 10545-8:2014	1/°C	Longitudinal 1.71•10 ⁻⁶
	1/°C	Transversal 0.58•10 ⁻⁶
Other characteristics		
Freeze-thaw performance		RL≥0.75
Wet-scrub resistance and cleanability of coatings	UNI EN ISO 11998:2006	Class 1
	UNI EN 13300:2002	
Reaction to fire		A2-s1, d0
Category	EN 12467	NT A 5

