American Fiber Cement Corporation

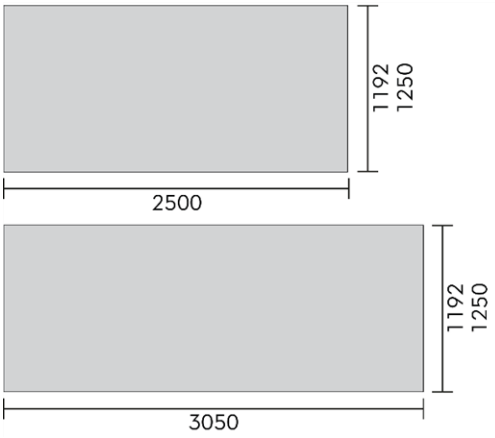
Cover

Datasheet - Facade Boards

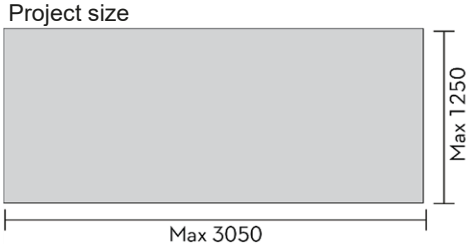
Cover is the ideal solution if you prefer the strongest colors and bolder design statements. The natural grey fiber cement core is completely covered by a layer of water-based acrylic paint, with 26 standard colors and more than 2000 NCS®© colors to choose from. Cover facade boards are a high quality fiber cement that is used as a part of a ventilated façade solution on all types of construction.

Dimensions (nominal)		Small Module	Standard size
Thickness	mm	8	8
Width	mm	292 592	1192 1250
Length	mm	1192 2392 2992	2500 3050

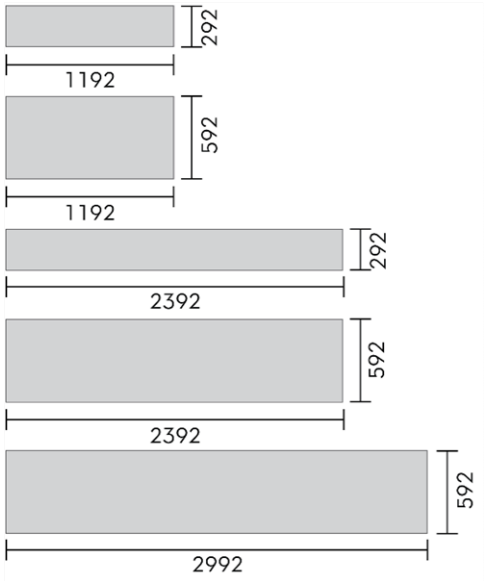
Standard size



Project size



Small Modules



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Dimension tolerance (EN 12467, Level I)		
Thickness (up to 20 mm)	mm	± 0.8
Width (a ≤ 1000 mm)	mm	± 3.0
Width/Length (1000 mm < a ≤ 1600 mm)	mm	± 0.3% a
Length (1600 mm < a)	mm	± 5.0

* a is the nominal width or length

Physical properties		
Density, dry minimum (EN 12467)	kg/m³	≥ 1650
Density, dry average (EN 12467)	kg/m³	1804
Weight (incl. 10% moisture)*	kg/m²	15.8

* nominal value may vary depending on the conditions

Mechanical properties (EN 12467)		
Flexural modulus		
E-module along grain, ambient	GPa	15
E-module across grain, ambient	GPa	17
E-module along grain, wet	GPa	13
E-module across grain, wet	GPa	15

Bending strength (EN 12467)		
Along grain, ambient	MPa	21
Across grain, ambient	MPa	39
Along grain, wet	MPa	18
Across grain, wet	MPa	24

Thermal properties		
Thermal conductivity (ISO 8301, EN 12667), λ_{10}	W/mK	0.37
Coefficient of thermal expansion	mm/m °C	0,1
Frost resistance (average along/across)	R_L	≥ 0.75
Frost resistance (max. cycles RL > 0,75 EN 12467)	Cycles	>100

Hygrothermal properties		
Moisture movement (30/90 % RH, EN 12467)	%	0.08

Color Resistance to UV	
ΔE after 5000 hours EN 16474-1	0.6-2.4

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Fire Performance					
Reaction to fire (EN 13501-1)				Rating	A2-s1, d0

Other properties	
Category, class (EN 12467)	NT A4 I
M1-Classification, VOC emission of building materials	Pass

Impact resistance test (ETAG 034, ISO 7892), 8 mm					
	Max.	Category IV	Category III	Category II	Category I
Hard body	1 Joule	Passed			
	3 Joules		Passed	Passed	Passed
	10 Joules			Passed	Passed
Soft body	10 Joules	Passed	Passed		
	60 Joules			Not passed	Not Passed
	300 Joules			Not passed	
	400 Joules				Not passed
Evaluation		Passed	Passed	Not passed	Not passed

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