

Cembrit Transparent

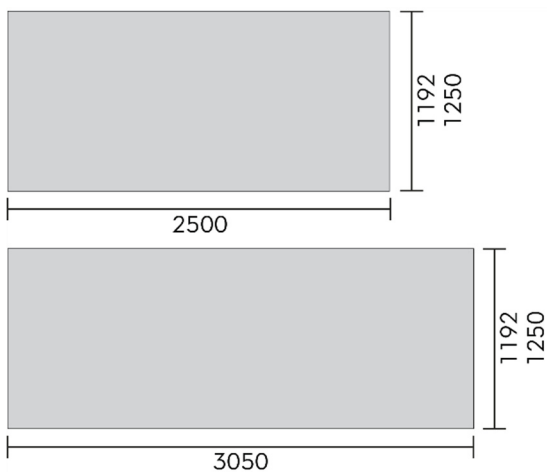
Datasheet - Facade Boards

Cembrit Transparent facade boards combine the textured nuances and natural characteristics of the base board with a long lasting performance of the transparent top coat. The colour added to the fibre cement reveals and highlights the fibres and other raw materials that provide its strength and character.

The extremely durable transparent coating then protects the board and ensures a smooth surface with a long service life. Cembrit facade boards are a high quality fibercement used as a part of a ventilated facade solution on all types of constructions.

Dimensions (nominal)		Standard size
Thickness	mm	8
Width	mm	1192 1250
Length	mm	2500 3050

Standard sizes



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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/m ³	≥ 1475
Density, dry average (EN 12467)	kg/m ³	1750
Weight (incl. 10% moisture)*	kg/m ²	15.4

* nominal value may vary depending on the conditions

Mechanical properties (EN 12467)		
Flexural modulus		
E-module along grain, ambient	GPa	14
E-module across grain, ambient	GPa	16

Bending strength (EN 12467)		
Along grain, ambient	MPa	25
Across grain, ambient	MPa	39
Along grain, wet	MPa	25
Across grain, wet	MPa	31

Thermal properties		
Thermal conductivity (ISO 8301, EN 12667), λ_{10}	W/mK	0.37
Coefficient of thermal expansion	mm/m °C	0.01
Frost resistance (max. cycles RL > 0,75 EN 12467)	Cycles	>100

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

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Impact resistance test (EAD 090062-00-0404, 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			Passed	Not Passed
	300 Joules			Not passed	
	400 Joules				Not passed
Evaluation		Passed	Passed	Not passed	Not passed

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