

Cembrit Transparent

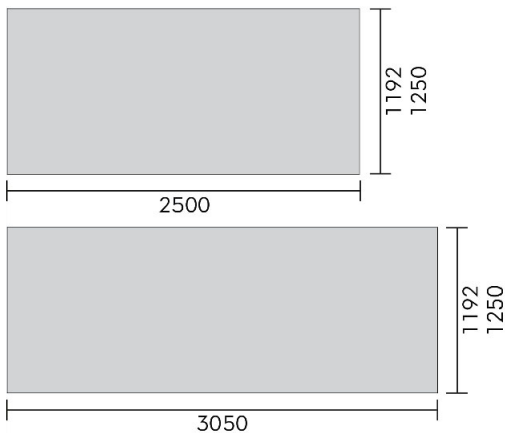
Datasheet - Facade Boards

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 1)		
Thickness (up to 20mm)	mm	± 0.8
Width (1000mm <a< 1600mm)	mm	± 0,3% a
Length (1600mm < Length)	mm	± 5.0
Physical properties		
Density, dry average (EN 12467)	kg/m ³	1750
Weight (incl. 10% moisture)*	kg/m ²	15.4
Moisture content (on dispatch ex works)		5-10
* 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		
Heat conductivity	W/m °C	0.5
Coefficient of thermal expansion	mm/m °C	0.01
Temperature range	°C max	-40 - +80
Frost resistance (average along/across)	RL	≥ 0.75
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

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Impact resistance test (EAD 090062-00-0404, ISO 7892), 8 mm					
	Max.	Category IV	Category III	Category II	Category I
	1 Joule	Passed			
Hard body	3 Joules		Passed	Passed	Passed
	10 Joules			Passed	Passed
Soft body	10 Joules	Passed	Passed		
	60 Joules			Passed	Passed
	300 Joules			Not passed	
	400 Joules				Not passed
Evaluation		Passed	Passed	Not passed	Not passed

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