

Cembrit Patina

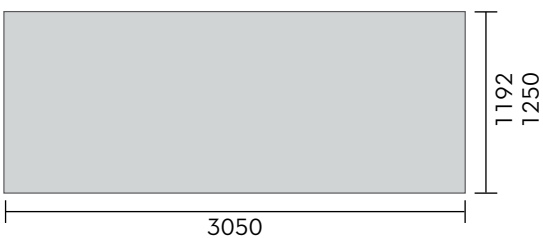
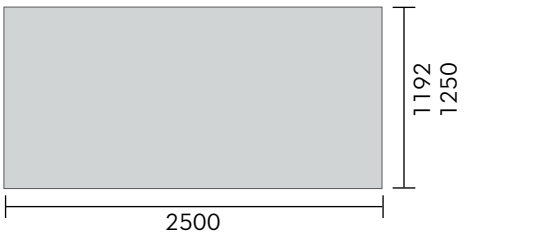
Facade

Cembrit Patina has a natural, textured surface. You can see the fibre and natural characteristics of the raw materials, and you can see and feel the sanding lines on the surface. As the seasons change and the years pass, the natural ageing of the fibre cement leaves subtle traces on the surface, and the

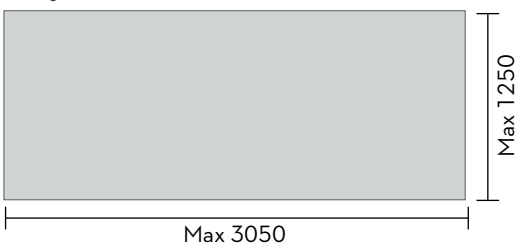
facade will gradually acquire a distinctive patina. The variations in the colours of the board will create a facade richly evocative of history and life. Cembrit facade boards are a high quality fibercement used as a part of a ventilated facade solution on all types of constructions.

Dimensions	Thickness	Width mm	Length mm
Standard size	6mm	1250	2500
	8mm		3050
Small Module	8mm	1192	2500
			3050
		592	2992
		592	2392
		292	2392
		592	1192
		292	1192

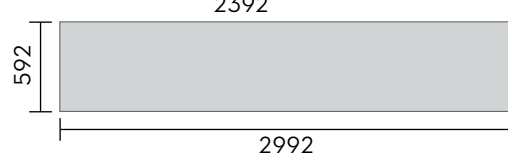
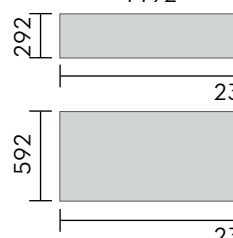
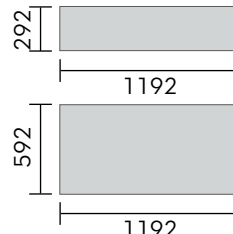
Standard sizes



Project sales



Small Module sizes



Cembrit Patina

Physical properties (P020, P222, P343, P565, P626)		6mm	8mm
Density, dry, minimum (EN 12467)	Kg/m ³	1250	1250
Density, dry, average (EN 12467)	Kg/m ³	1350	1350
Weight (7,5 % moisture)	Kg/m ²	8.7	11.6
Moisture content (on dispatch ex works, ASTM C1185)	%	5-10	5-10
Physical properties (P050, P070, P313, P323, P333, P545)			
Density, dry, minimum (EN 12467)	Kg/m ³	1300	1300
Density, dry, average (EN 12467)	Kg/m ³	1460	1460
Weight, average (7,5 % moisture)	Kg/m ²	9.4	12.5
Moisture content (on dispatch ex works, ASTM C1185)	%	5-10	5-10
Mechanical properties			
Bending modulus of elasticity			
Dry E-module with grain	GPa	13.3	14.7
Dry E-module across grain	GPa	12.2	12.6
Wet E-module with grain	GPa	11.1	12.5
Wet E-module across grain	GPa	9.7	10.8
Bending strength			
Dry with grain	MPa	35	36
Dry across grain	MPa	24.8	24.5
Wet with grain	MPa	26	26
Wet across grain	MPa	17	17
Interlaminar bond			
Dry	MPa	2.6	2.6
Wet	MPa	1.4	1.4
Impact strength (Charpy)			
Dry with grain	kJ/m ²	2.8	2.8
Dry across grain	kJ/m ²	2.3	2.3
Thermal properties			
Heat conductivity	W/m °C	0.4	0.4
Coefficient of thermal expansion	mm/m °C	0.010	0.010
Temperature range	°C	÷40 to +80	÷40 to +80
Frost resistance	Cycles	>100	>100

www.cembrit.com

Please visit the local website for contact details and further information.

Cembrit Patina

Hygrothermal properties					
Water absorption (wet over dry) %			25.0		25.0
Wet-dry-wet (max)	mm/m		2.6		2.6
Water vapour transmission properties (23°C - 50/93% RH)					
Vapour permeance	ng/m ² s Pa		700		550
Vapour transmission resistance	Gpa s m ² /kg		1.4		2.3
Vapour transmission resistance	s/m		10,300		16,900
Vapour resistivity	MNs/gm		227		227
Vapour resistance factor, μ			45		45
Tolerances (ref. EN 12467)					
Thickness	mm		± 0.6		± 0.8
Length	mm		\pm		1
Width	mm		\pm		\pm
Other properties					
Category, Class	EN 12467		NT A4 I		NT A4 I
Fire rating	EN 13501		A2-s1, d0		A2-s1, d0
Soft- and hard body impact resistance (ETAG 034, ISO 7892), 8 mm					
Type of impact	Energy	Category IV	Category III	Category II	Category I
Hard body	1 Joule	passed	-	-	-
	3 Joule	-	passed	passed	passed
	10 Joule	-	-	passed	passed
Soft body	10 Joule	passed	passed	-	-
	60 Joule	-	-	passed	passed
	300 Joule	-	-	not passed	-
	400 Joule	-	-	-	not passed