

# Cembrit Patina

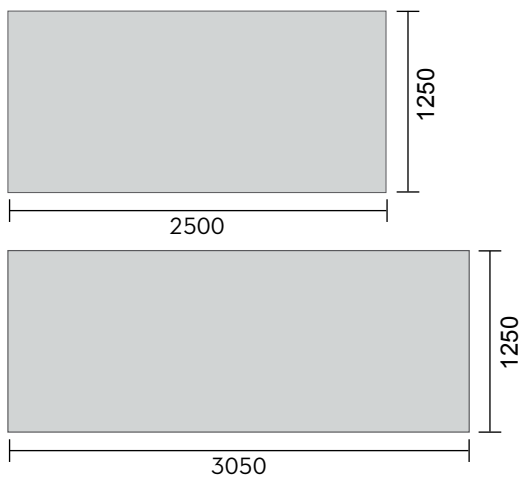
## Facade

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	8mm	1250	2500
		1250	3050

### Standard sizes



## Cembrit Patina

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

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Hygrothermal properties					
Water absorption (wet over dry) %					25.0
Wet-dry-wet (max)	mm/m				2.6
Water vapour transmission properties (23°C - 50/93% RH)					
Vapour permeance	ng/m <sup>2</sup> s Pa				550
Vapour transmission resistance	Gpa s m <sup>2</sup> /kg				2.3
Vapour transmission resistance	s/m				16,900
Vapour resistivity	MNs/gm				227
Vapour resistance factor, $\mu$					45
Tolerances (ref. EN 12467)					
Thickness	mm				$\pm 0.8$
Length	mm				1
Width	mm				$\pm$
Other properties					
Category, Class	EN 12467				NT A4 I
Fire rating	EN 13501				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

For further details or for installation advice, please contact Atkar Group on 03 9796 3333 or [enquiries@atkar.com.au](mailto:enquiries@atkar.com.au)

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