



Cembrit Cembonit

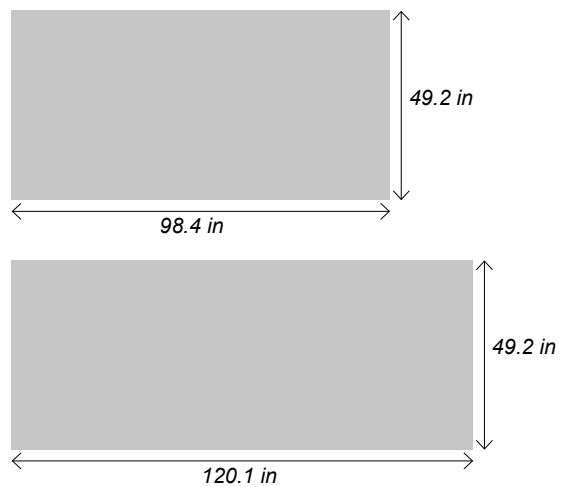
Through-coloured classics with attractive matt finish

Cembrit Cembonit is a strong, weather-proof cladding board characterised by its subtle, matt finish. The board is through-colored in your choice of one of 11 muted, natural colors. During the manufacturing process, the board receives a unique surface treatment that makes it powerfully resistant towards water staining and dirt, ensuring a long-lasting and durable facade.

The natural authenticity of the Cembrit Cembonit board is expressed through the slight colour variations in the surface, imbuing your facade with the play of light and nuances you associate with any natural building material. Over time, these natural variations may develop as the surface patinates.

Cembrit Cembonit is supplemented by a complete range of accessories to ensure simple, easy installation and a sleek, stylish end-result that will last longer.

Cembonit is a natural material and therefore can exhibit slight color variations from lot to lot and within specific lots. The panels can also have small light colored inclusions visible on the finished face. This is also a natural aspect of the panels and should not be viewed as a product defect.



Board dimensions listed above have a tolerance of 1/8".

Note: Panels can be supplied cut to size. Tolerance on cut panels is 1/16".

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213 Front St-Zelienople, PA-16063
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Cembrit

Exterior cladding – Cembrit Cembonit

Dimension										
Width	mm	1200		1200		1250		1250		
Length	mm	2500		3050		2500		3050		
Thickness	mm	6.0	8.0	6.0	8.0	6.0	8.0	6.0	8.0	
Physical properties										
Density, dry	Kg/m ³	1500	1500	1500	1500	1500	1500	1500	1500	1500
Weight	Kg/m ²	10.2	13.6	10.2	13.6	10.2	13.6	10.2	13.6	
	Kg/board	30.6	40.8	37.3	49.8	31.9	42.5	38.9	51.9	
Mechanical properties										
Bending modulus of elasticity										
Dry E-module with grain	GPa	16	16	16	16	16	16	16	16	16
Dry E-module across grain	GPa	14	14	14	14	14	14	14	14	14
Wet E-module with grain	GPa	12	12	12	12	12	12	12	12	12
Wet E-module across grain	GPa	10	10	10	10	10	10	10	10	10
Bending strength										
Dry with grain	MPa	32	32	32	32	32	32	32	32	32
Dry across grain	MPa	22	22	22	22	22	22	22	22	22
Wet with grain	MPa	28	28	28	28	28	28	28	28	28
Wet across grain	MPa	19	19	19	19	19	19	19	19	19
Interlaminar bond										
Dry	MPa	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Wet	MPa	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Impact strength (Charpy)										
Dry with grain	kJ/m ²	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Dry across grain	kJ/m ²	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Thermal properties										
Heat conductivity	W/m °C	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Coefficient of thermal expansion	mm/m °C	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Temperature range	°C	Max 150	Max 150	Max 150	Max 150	Max 150	Max 150	Max 150	Max 150	Max 150
Frost resistance	Cycles	>100	>100	>100	>100	>100	>100	>100	>100	>100
Hygrothermal properties										
Water absorption (wet over dry)	%	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Wet-dry-wet (max)	mm/m	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Water vapour transmission properties (23°C - 50/93% RH)										
Vapour permeance	ng/m ² s Pa	700	550	700	550	700	550	700	550	550
Vapour transmission resistance	Gpa s m ² /kg	1.4	2.3	1.4	2.3	1.4	2.3	1.4	2.3	2.3
Vapour transmission resistance	s/m	10,300	16,900	10,300	16,900	10,300	16,900	10,300	16,900	16,900
Vapour resistivity	MNs/gm	227	227	227	227	227	227	227	227	227
Vapour resistance factor, μ		45	45	45	45	45	45	45	45	45
Tolerances (ref. EN 12467)										
Thickness	mm	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5	±0.5
Length	mm	±2	±2	±2	±2	±2	±2	±2	±2	±2
Width	mm	±1	±1	±1	±1	±1	±1	±1	±1	±1
Other properties										
Category, Class	EN 12467	NT A4 I	NT A4 I	NT A4 I	NT A4 I	NT A4 I	NT A4 I	NT A4 I	NT A4 I	NT A4 I
Fire rating	EN 13501	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0

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