CEMBRIT

Cembrit Construction

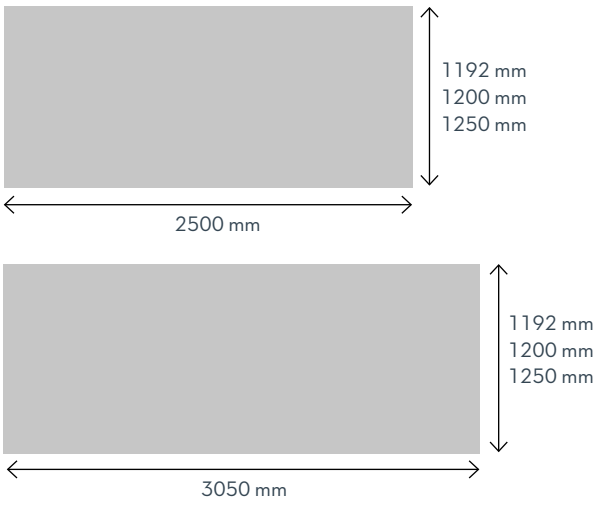
Datasheet

Cembrit Construction is an untreated fibre cement board that allows the authentic appearance of the rough fibre-cement to stand out. In nature, Cembrit Construction is a building board which can be installed for cladding purposes, when a natural and rough expression is desired.

Cembrit Construction is a natural material and variations may occur in the individual boards and from board to board, adding a lively expression to your facade. Cembrit Construction is a high quality fibercement building board used as both a building board as well as a part of a ventilated facade solution.

Dimensions	Thickness	Width mm	Length mm
Size	6 mm	1200 1250	2500
Size	8 mm	1192 1200 1250	2500/3050 2500/3050 2500
Size	10 mm	1192 1200	3050

Standard sizes



Project sales

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

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Dimension				
Thickness	mm	6.0	8.0	10.0
Tolerances (ref. EN 12467)				
Thickness	mm	±0.6	±0.8	±1.0
Length	mm	±3	±3	±3
Width	mm	±2	±2	±2
Physical properties				
Density, dry, average (EN 12467)	Kg/m^3	1800	1800	1800
Density, dry, minimum (EN 12467)	Kg/m^3	1550	1550	1550
Weight	Kg/m^2	11.3	15.1	18.9
Mechnical properties (EN 12467)				
Bending modulus of elasticity				
Ambient E-module with grain	GPa	21	21	21
Ambient E-module across grain	GPa	20	20	20
Wet E-module with grain	GPa	13	13	13
Wet E-module across grain	GPa	9	9	9
Bending strength (EN 12467)				
Ambient with grain	MPa	26	26	26
Ambient across grain	MPa	22	22	22
Wet with grain	MPa	20	20	20
Wet across grain	MPa	15	15	15
Interlaminar bond				
Dry	MPa	min. 0.5	min. 0.5	min. 0.5
Impacts strength (Charpy)				
Ambient with grain	kJ/m^2	2.7	2.7	2.7
Ambient across grain	kJ/m^2	2.0	2.0	2.0
Thermal properties				
Heat conductivity	W/m °C	0.4	0.4	0.4
Coefficient of thermal expansion	mm/m °C	0.008	0.008	0.008
Temperature range	°C	max. 150	max. 150	max. 150
Frost resistance (EN 12467)	Cyles	>100	>100	>100

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Hygrothermal properties				
Water absorption (wet over dry)	%	12.0	12.0	12.0
Wet-dry-wet (max)	mm/m	3	3	3
Water vapour transmission properties (23ºC - 0/99 %RH)				
Vapour permeance	ng/m² s Pa	400	300	230
Vapour transmission resistance (z-value)	Gpa s m²/kg	2.5	3.3	4.0
Vapour transmission resistance	s/m	18,000	25,000	32,000
Vapour resistivity	MNs/gm	417	417	417
Vapour resistance factor	μ	80	80	80

Other properties				
pH surface		11	11	11
Category. Class	EN 12467	NT A3 I	NT A3 I	NT A3 I
Fire rating	EN 13501	A2-s1, d0	A2-s1, d0	A2-s1, d0

Cembrit complies with the relevant provisions of the Construction Products Regulation (EU) No. 305/2011

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