

## Cembrit Construction

Formerly Minerit HD (RAW)

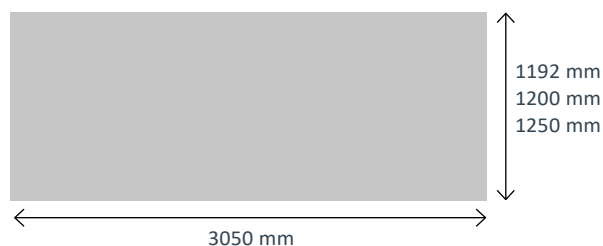
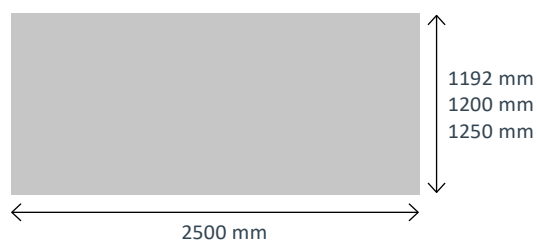
### Datasheet

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.

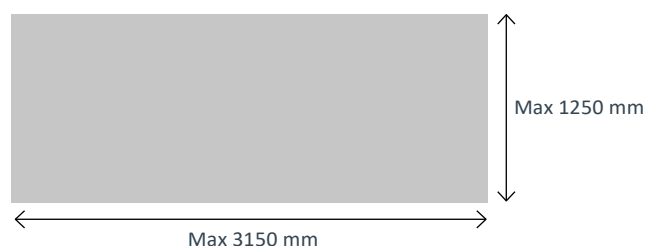
Cembrit Construction is a natural material and variations may occur in the individual boards and from board to board, adding a lively expression to your facade. Cembrit Construction is a high quality fibercement building board used as both a building board as well as a part of a ventilated facade solution.

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



#### Projectsales



[www.cembrit.com](http://www.cembrit.com)

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

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<b>Dimension</b>				
Thickness	mm	6.0	8.0	10.0
<b>Tolerances (ref. EN 12467)</b>				
Thickness	mm	±0.6	±0.8	±1.0
Length	mm	±3	±3	±3
Width	mm	±2	±2	±2
<b>Physical properties</b>				
Density, dry, average (EN 12467)	Kg/m <sup>3</sup>	1800	1800	1800
Density, dry, minimum (EN 12467)	Kg/m <sup>3</sup>	1550	1550	1550
Weight	Kg/m <sup>2</sup>	11.3	15.1	18.9
<b>Mechanical properties (EN 12467)</b>				
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
<b>Bending strength (EN 12467)</b>				
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
<b>Interlaminar bond</b>				
Dry	MPa	min. 0.5	min. 0.5	min. 0.5
<b>Impacts strength (Charpy)</b>				
Ambient with grain	kJ/m <sup>2</sup>	2.7	2.7	2.7
Ambient across grain	kJ/m <sup>2</sup>	2.0	2.0	2.0
<b>Thermal properties</b>				
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)	Cycles	>100	>100	>100

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<b>Hygrothermal properties</b>				
Water absorption (wet over dry)	%	12.0	12.0	12.0
Wet-dry-wet (max)	mm/m	3	3	3
<b>Water vapour transmission properties (23°C - 0/99 %RH)</b>				
Vapour permeance	ng/m <sup>2</sup> s Pa	400	300	230
Vapour transmission resistance (z-value)	Gpa s m <sup>2</sup> /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
<b>Other properties</b>				
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