Cembrit Holding A/S
Sohngaardsholmsvej 2
9000 Aalborg, Denmark

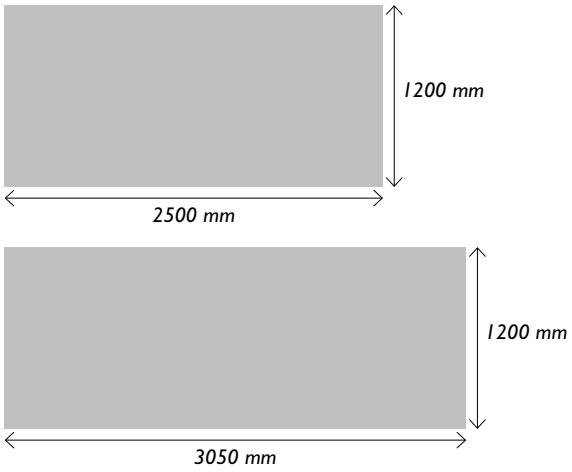
Tel. +45 99 37 22 22
Fax +45 99 37 23 22
E-mail info@cembrit.com

Cembrit Raw

Strong. Durable. Untreated sheets with unique properties

Cembrit Raw is a range of untreated cladding sheets that goes back to basics: You get untreated fibre-cement for that authentic, grey shade. Behind the straightforward, yet subtle authenticity, however, you will find very strong properties. These sheets retain their shape very well, last long, and are easy to work with. The material will withstand extreme climates, reject rot and fungus, and – like all fibre-cement – is composed of natural materials. The Cembrit Raw range combines value for money with environmental awareness, making it ideal for contemporary building.

The Cembrit Raw sheets are supplemented by a complete range of accessories to ensure simple, easy mounting and a sleek, stylish end result that will last longer.



brandCreators 591-086/1008

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Exterior cladding – Cembrit Raw

Dimension					
Width	*mm*		*1200*		*1200*
Length	*mm*		*2500*		*3050*
Thickness	*mm*	*6,0*	*8,0*	*6,0*	*8,0*
Physical properties					
Density, dry	*Kg/m³*	*1675*	*1675*	*1675*	*1675*
Weight	*Kg/m²*	*10,8*	*14,3*	*10,8*	*14,3*
	Kg/board	*32,4*	*42,9*	*39,5*	*52,3*
Mechanical properties					
Bending modulus of elasticity					
Dry E-module with grain	*GPa*	*8*	*8*	*8*	*8*
Dry E-module across grain	*GPa*	*7*	*7*	*7*	*7*
Wet E-module with grain	*GPa*	*7*	*7*	*7*	*7*
Wet E-module across grain	*GPa*	*5*	*5*	*5*	*5*
Bending strength					
Dry with grain	*MPa*	*24*	*24*	*24*	*24*
Dry across grain	*MPa*	*18*	*18*	*18*	*18*
Wet with grain	*MPa*	*15*	*15*	*15*	*15*
Wet across grain	*MPa*	*12*	*12*	*12*	*12*
Interlaminar bond					
Dry	*MPa*	*min 0,5*	*min 0,5*	*min 0,5*	*min 0,5*
Wet	*MPa*	-	-	-	-
Impact strength (Charpy)					
Dry with grain	*kJ/m²*	*3,5*	*3,5*	*3,5*	*3,5*
Dry across grain	*kJ/m²*	*2,5*	*2,5*	*2,5*	*2,5*
Thermal properties					
Heat conductivity	*W/m °C*	*0,4*	*0,4*	*0,4*	*0,4*
Coefficient of thermal expansion	*mm/m °C*	*0,008*	*0,008*	*0,008*	*0,008*
Temperature range	*°C*	*Max. 150*	*Max. 150*	*Max. 150*	*Max. 150*
Frost resistance	*Cycles*	*>100*	*>100*	*>100*	*>100*
Hygrothermal properties					
Water absorption (wet over dry)	*%*	*12,0*	*12,0*	*12,0*	*12,0*
Wet-dry-wet (max)	*mm/m*	*3*	*3*	*3*	*3*
Water vapour transmission properties (23°C - 0/99% RH)					
Vapour permeance	*ng/m² s Pa*	*400*	*300*	*400*	*300*
Vapour transmission resistance	*Gpa s m²/kg*	*2,5*	*3,3*	*2,5*	*3,3*
Vapour transmission resistance	*s/m*	*18.000*	*25.000*	*18.000*	*25.000*
Vapour resistivity	*MNs/gm*	*417*	*417*	*417*	*417*
Vapour resistance factor, μ		*80*	*80*	*80*	*80*
Tolerances (ref. EN 12467)					
Thickness	*mm*	*±0,6*	*±0,8*	*±0,6*	*±0,8*
Length	*mm*	*±3*	*±3*	*±3*	*±3*
Width	*mm*	*±2*	*±2*	*±2*	*±2*
Other properties					
Category, Class	*EN 12467*	*NT A3 I*	*NT A3 I*	*NT A3 I*	*NT A3 I*
Fire rating	*EN 13501*	*A2, s1-d0*	*A2, s1-d0*	*A2, s1-d0*	*A2, s1-d0*