



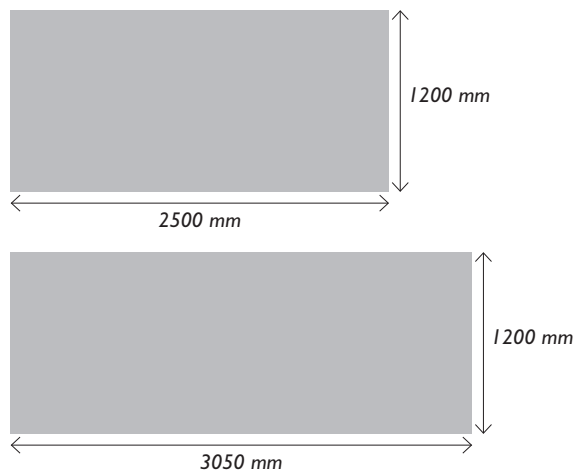
Cladding

Cembrit HD

Strong. Durable. Natural grey fibre-cement cladding sheets with unique properties

Cembrit HD is an uncoated, untreated cladding sheet that goes back to basics: Natural grey homogeneous fibre-cement with a cementitious appearance. Behind the straightforward, yet subtle authenticity, are strong properties. These sheets are durable, dimensionally stable, impact resistant and are easy to work with. The material will withstand extreme climates, resist rot and fungus, and – like all fibre-cement – is composed of natural materials. Cembrit HD combines value for money with environmental awareness, making it ideal for contemporary building.

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





Cladding – Cembrit HD

Dimension					
Width	mm	1200		1200	
Length	mm	2500		3050	
Thickness	mm	6,0	8,0	6,0	8,0
Physical properties					
Density, dry	Kg/m ³	1675	1675	1675	1675
Weight	Kg/m ²	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/m ²	3,5	3,5	3,5	3,5
Dry across grain	kJ/m ²	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 permeability	ng/m ² s Pa	400	300	400	300
Vapour transmission resistance	Gpa s m ² /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