

Cembrit Plank and Cembrit Panel

Facade

Facade Planks in fibre cement for mounting on vertical, horizontal and diagonal surfaces. A lightweight building component for easy installation and low maintenance.

Usage

Cembrit Plank/Panel are used on commercial and residential homes where the owner is looking for long lasting product resembling natural wood.

Surface

The natural grey fibre cement core comes covered on the front and all edges by a layer of water-based acrylic paint or a primed surface ready for painting on-site.

Material

Main components consists of cement, silica sand, cellulose fibers, water and selected additives.

Accessories

Cembrit Plank/Panel are part of a complete system consisting of Cembrit Plank, Cembrit Panel, Cembrit Alu Trim and Cembrit Facade Screws.

Making it easy to obtain a good-looking finish, all in matching colours.



Cembrit Plank and Cembrit Panel

Dimension		Cembrit Plank	Cembrit Panel	
Width	mm	180	1220	610
Length	mm	3600	3050	3050
Thickness	mm	8.0	8.0	8.0
Dimension tolerance (EN 12467 level I)				
Thickness Cedar (Smooth)	mm	-0,8,+1,2 (± 0,6 mm)	-0,8,+1,2	-0,8,+1,2
Width	mm	± 3	± 4	± 3
Length	mm	± 5	± 5	± 5
Physical properties				
Density, dry, minimum apparent (EN 12467)	Kg/m ³	1200	1200	1200
Density, dry, average (EN 12467)	Kg/m ³	1340	1340	1340
Weight including 5% moisture	Kg/pcs.	8.0	46.8	23.4
Mechanical properties				
E-module, ambient (EN 12467)	GPa	9.1	9.1	9.1
Bending strength (EN 12467)				
Along grain, ambient	MPa	11.8	11.8	11.8
Across grain, ambient	MPa	21.7	21.7	21.7
Average, ambient	MPa	16.8	16.8	16.8
Along grain, wet	MPa	7.3	7.3	7.3
Across grain, wet	MPa	14.0	14.0	14.0
Average, wet	MPa	10.7	10.7	10.7
Thermal properties				
Temperature range	°C	Max. 80	Max. 80	Max. 80
Frost resistance (max R _L > 0,75 EN 12467)	Cycles	100	100	100
Hygrothermal properties				
Moisture movement (30/90 % RH, EN 12467)	mm/m	0.56	0.56	0.56
Water absorption (Saturated in water, 24 hrs. 105°C, EN 12467)	%	24.2	24.2	24.2
Water impermeability (EN 12467)	Visual	No drop	No drop	No drop
Fire properties				
Reaction to fire (EN 13501-1)		A2-s1, d0	A2-s1, d0	A2-s1, d0
Other properties				
Category, class (EN 12467)		NT A2 I	NT A2 I	NT A2 I

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Soft- and hard body impact resistance (ETAG 034, ISO 7892), 8 mm

Type of impact	Energy	Category IV	Category III	Category II	Category I
Hard body	1 Joule	passed	-	-	-
	3 Joule	-	passed	passed	passed
	10 Joule	-	-	passed	passed
Soft body	10 Joule	passed	passed	-	-
	60 Joule	-	-	not passed	not passed
	300 Joule	-	-	not passed	-
	400 Joule	-	-	-	not passed
