

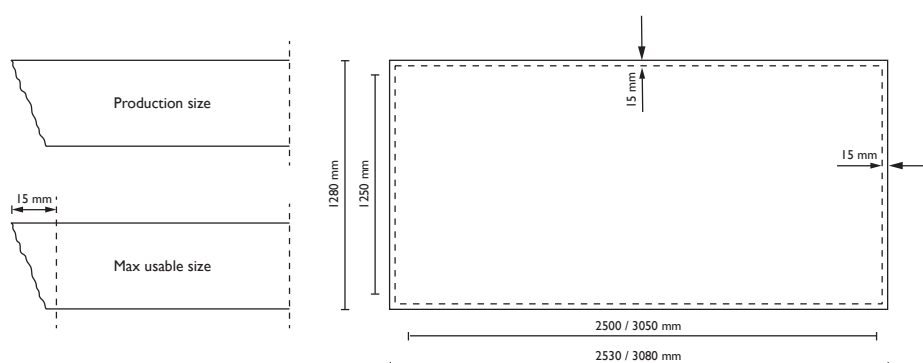
## Cembrit Solid

### Facade

The special thing about Cembrit Solid boards is that they're the same colour all the way through. Each of the core colours is matched with a full-coverage painted surface in vibrant yet resilient colours. This means if you choose Cembrit Solid boards to provide a facade with a particular colour, every

board will feature that colour on every surface and edge, and with the same colour on the edges of any cut-outs or drilled holes. Cembrit facade boards are a high quality fibercement used as a part of a ventilated facade solution on all types of constructions.

Dimensions	Thickness	Width mm	Length mm
Untrimmed size	8 mm	1280	2530 3080
Standard size	8 mm	1192	2500 3050
Maximum usable size	8 mm	1250	2500 3050



## Cembrit Solid

<b>Dimension after trimming</b>			
Width	mm	1192	1192
Length	mm	2500	3050
Thickness	mm	8.0	8.0
<b>Physical properties</b>			
Density, dry	Kg/m <sup>3</sup>	≥1550	≥1550
Weight	Kg/m <sup>2</sup>	~15.7	~15.7
<b>Mechanical properties</b>			
Dry E-module	GPa	13	13
Modulus of rupture (wet condition)	MPa	≥18	≥18
<b>Thermal properties</b>			
Heat conductivity	W/m °C	0.5	0.5
Coefficient of thermal expansion	mm/m °C	0.01	0.01
Temperature range	°C	Max. 80	Max. 80
Frost resistance	Cycles	>100	>100
<b>Hygrothermal properties</b>			
Moisture movement (30-90 % RH)	mm/m	1.5	1.5
<b>Water vapour transmission properties</b>			
Vapour resistance factor	μ	400	400
<b>Tolerances (ref. EN 12467)</b>			
Thickness	%	±10	±10
Length	mm	±3	±3
Width	mm	±2	±2
<b>Other properties</b>			
Category, class	EN 12467	NT A4 I	NT A4 I
Fire rating	EN 13501	A2-s1, d0	A2-s1, d0

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

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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

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