



# Deco

## Datasheet - Facade Boards

Deco features a rustic painted surface. The directional grain of the board is subtly visible through the paint-like the veneer of your living room furniture - adding a smooth yet natural look to the painted Deco board.

The combination of the delicate structure and the

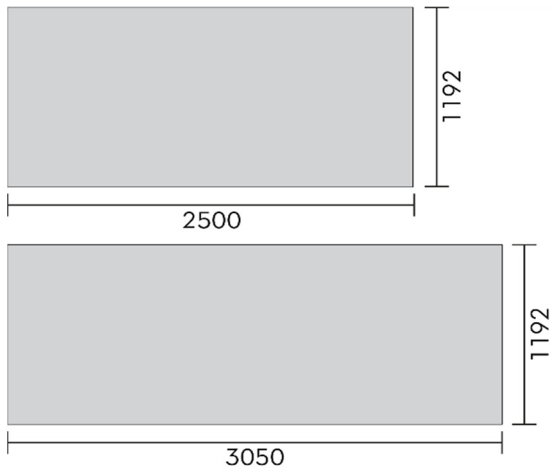
nature of Deco's fiber cement boards require only limited maintenance over time, which makes the Deco board a decorative choice for your facade.

Deco is available in 9 color options, matching the current building trend.

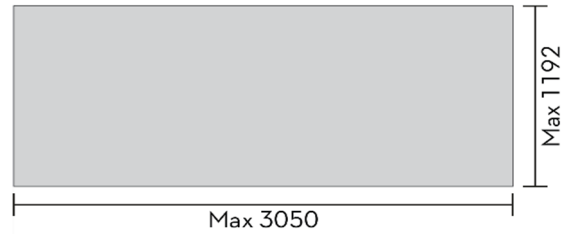
### Dimension (nominal)

Thickness	8
Width	1192
Length	2500
	3050

Standard size



Max. Project size



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## Dimension tolerance (EN 12467, Level 1)

Thickness (up to 20mm)	mm	± 0.8
Width (1000mm < a < 1600mm)	mm	± 0,3% a
Length (1600mm < Length)	mm	± 5.0

## Physical properties

Density, dry minimum (EN 12467)	kg/m <sup>3</sup>	≥ 1250
Density, dry average (EN 12467)	kg/m <sup>3</sup>	1430
Weight (incl. 10% moisture)*	kg/m <sup>2</sup>	12.5

\* Nominal value may vary depending on the conditions

## Mechanical properties (EN 12467)

Flexural modulus		
E-module along grain, ambient	GPa	16
E-module across grain, ambient	GPa	18
E-module along grain, wet	GPa	11
E-module across grain, wet	GPa	13

## Bending strength (EN 12467)

Along grain, ambient	MPa	25
Across grain, ambient	MPa	35
Along grain, wet	MPa	17
Across grain, wet	MPa	25

## Impact strength - Pendulum

Along grain, dry	kJ/m <sup>2</sup>	2.0
Across grain, dry	kJ/m <sup>2</sup>	2.6

## Thermal properties

Coefficient of thermal expansion	mm/m °C	0.01
Frost resistance (average along/across)	RL	≥ 0.75
Frost resistance (max. cycles RL > 0,75 EN 12467)	Cycles	100

## Hygrothermal properties

Moisture movement (30/90 % RH, EN 12467)	mm/m	0.07
Water impermeability (EN 12467)	Visual	No water drop

## Fire Performance

Reaction to fire (EN 13501-1)	Rating	A2-s1, d0
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# Cembrit Deco

<b>Other properties</b>					
Category, class (EN 12467)					NT A4 1
M1-Classification, VOC emission of building materials					Pass
<b>Impact resistance test (ETAG 034, ISO 7892), 8 mm</b>					
	Max.	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			Passed	Passed
	300 Joule			Not passed	
	400 Joule				Not passed
Evaluation		Passed	Passed	Not passed	Not passed

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