

# AFC Surface (formerly Cover)

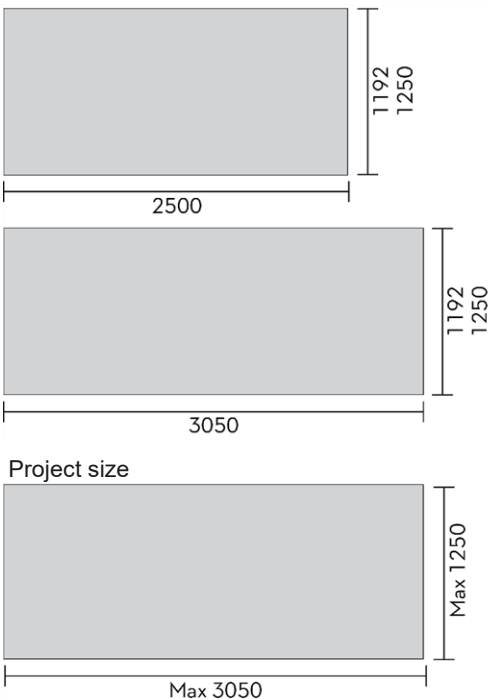
## Datasheet - Facade Boards

Surface is the ideal solution if you prefer the strongest colors and bolder design statements. The natural grey fiber cement core is completely covered by a layer of water-based acrylic paint, with 26 standard colors and more than 2000

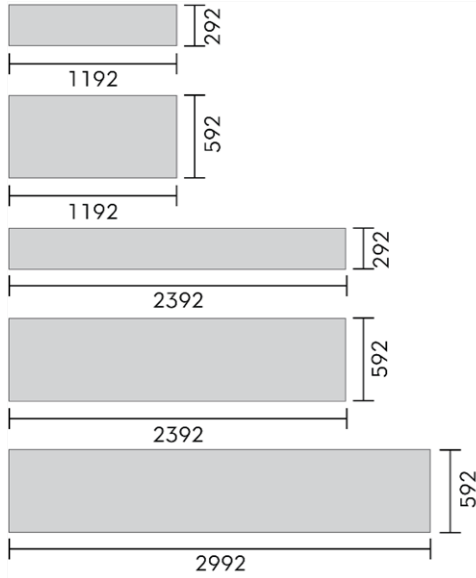
NCS® colors to choose from. Surface facade boards are a high quality fiber cement that is used as a part of a ventilated façade solution on all types of construction.

Dimensions (nominal)		Small Module	Standard size
Thickness	mm	8	8
Width	mm	292	1192
		592	1250
Length	mm	1192	2500
		2392	3050
		2992	

Standard size



Small Modules



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# Surface

Dimension tolerance (EN 12467, Level I)		
Thickness (up to 20 mm)	mm	± 0.8
Width (a ≤ 1000 mm)	mm	± 3.0
Width/Length (1000 mm < a ≤ 1600 mm)	mm	± 0.3% a
Length (1600 mm < a)	mm	± 5.0

\* a is the nominal width or length

## Physical properties

Density, dry minimum (EN 12467)	kg/m <sup>3</sup>	≥ 1650
Density, dry average (EN 12467)	kg/m <sup>3</sup>	1804
Weight (incl. 10% moisture)*	kg/m <sup>2</sup>	15.8

\* nominal value may vary depending on the conditions

## Mechanical properties (EN 12467)

### Flexural modulus

E-module along grain, ambient	GPa	15
E-module across grain, ambient	GPa	17
E-module along grain, wet	GPa	13
E-module across grain, wet	GPa	15

### Bending strength (EN 12467)

Along grain, ambient	MPa	21
Across grain, ambient	MPa	39
Along grain, wet	MPa	18
Across grain, wet	MPa	24

## Thermal properties

Thermal conductivity ( ISO 8301, EN 12667), $\lambda_{10}$	W/mK	0.37
Coefficient of thermal expansion	mm/m °C	0,1
Frost resistance (average along/across)	R <sub>L</sub>	≥ 0.75
Frost resistance (max. cycles RL > 0,75 EN 12467)	Cycles	>100

## Hygrothermal properties

Moisture movement (30/90 % RH, EN 12467)	%	0.08
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## Color Resistance to UV

ΔE after 5000 hours EN 16474-1		0.6-2.4
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Fire Performance

Reaction to fire (EN 13501-1)	Rating	A2-s1, d0
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Other properties

Category, class (EN 12467)	NT A4 I
M1-Classification, VOC emission of building materials	Pass

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Impact resistance test (ETAG 034, ISO 7892), 8 mm

	Max.	Category IV	Category III	Category II	Category I
Hard body	1 Joule	Passed			
	3 Joules		Passed	Passed	Passed
	10 Joules			Passed	Passed
Soft body	10 Joules	Passed	Passed		
	60 Joules			Not passed	Not Passed
	300 Joules			Not passed	
	400 Joules				Not passed
Evaluation		Passed	Passed	Not passed	Not passed

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