

# AFC Groove (formerly Patina Inline)

## Datasheet - Facade Boards

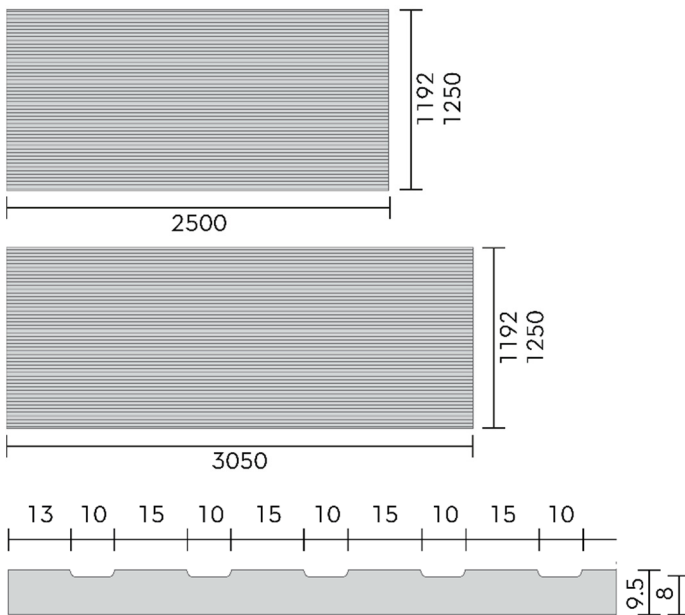
Groove introduces a 3D-effect to your building from the milled linear grooves in the board. The featured lines in combination with the natural light and viewing angle gives a lively facade changing its appearance throughout the day. As the seasons change and the years pass, the natural

aging of the fiber cement leaves subtle traces on the surface, and the facade will gradually acquire a distinctive patina. As if formed by nature, Groove adds a natural stylish finish to your facade. Groove will patinate over time - enriching its natural appearance.

### Dimension (nominal)

Thickness	9,5 / 8
Width	1192 1250
Length	2500 3050

### Standard size



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# Groove

## Dimension tolerance (EN 12467, Level 1)

Thickness	mm	+/- 10%
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>	≥ 1300
Density, dry average (EN 12467)	kg/m <sup>3</sup>	1430
Weight (incl. 10% moisture)*	kg/m <sup>2</sup>	14.2

\* Nominal value may vary depending on the conditions

## Mechanical properties (EN 12467)

Flexural modulus		
E-module along grain, ambient	GPa	17
E-module across grain, ambient	GPa	17
E-module along grain, wet	GPa	13
E-module across grain, wet	GPa	14

## Bending strength (EN 12467)

Along grain, ambient	MPa	26
Across grain, ambient	MPa	37
Along grain, wet	MPa	21
Across grain, wet	MPa	32

## Impact strength (Pendulum test)

Along grain, dry	kJ/m <sup>2</sup>	2.9
Across grain, dry	kJ/m <sup>2</sup>	2.8

## Thermal properties

Thermal conductivity (ISO 8301, EN 12667), λ <sub>10</sub>	W/mK	0,4
Coefficient of thermal expansion	mm/m °C	0.01
Frost resistance (average along/across)	R <sub>L</sub>	≥ 0.75

## Hygrothermal properties

Moisture movement (30/90 % RH, EN 12467)	%	0,07
Water impermeability (EN 12467)	Visual	No drop

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**Color variation measured on the production line**

CIELAB colour model	$\Delta L$	-2.5/+2.5
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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 1
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M1-Classification, VOC emission of building materials	Pass
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