

# Swisspearl Plank / Panel

## Datasheet - Facade Boards

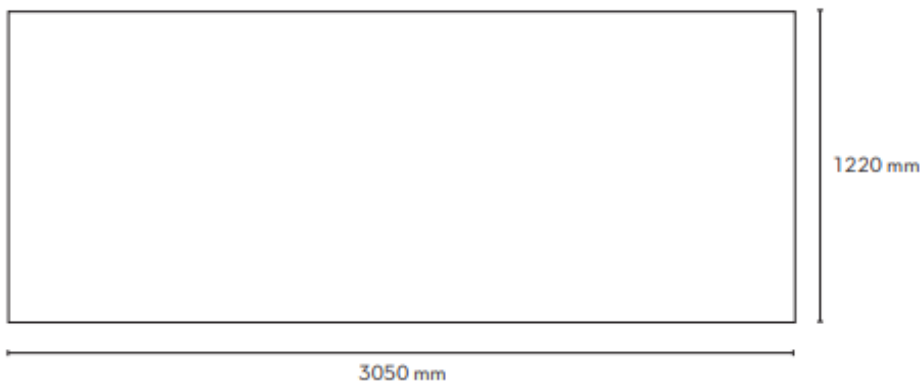
Swisspearl Plank is a non-combustible and lightweight facade product that features a high pH value that makes it resistant to algae and bacteria and the growth of moss, fungi etc.

The planks are available in two variants, Swisspearl Plank Original and Swisspearl Panel and are available in 15 colours with either a smooth surface and cedar texture.

Main components are cement, silica sand, cellulose fibers, water and selected additives and can be mounted both horizontally and vertically. Ideal for replacement of wood on the facade due to the limited maintenance required.

Swisspearl Plank are part of a complete system consisting of Swisspearl Plank Original, Swisspearl Panel, Swisspearl Alu Trim and Swisspearl Facade Screws. Making it easy to obtain a good- looking finish, all in matching colours.

Dimensions (nominal)		Swisspearl Plank	Swisspearl Panel
Thickness	mm	8.0	8.0
Width	mm	180	610 1220
Length	mm	3600	3050



[www.swisspearl.com](http://www.swisspearl.com)

Please visit the local website for contact details and further information.

## Swisspearl Plank / Panel

### Dimension tolerance (EN 12467, Level 1)

		Swisspearl Plank	Swisspearl Panel
Thickness (non-textured)	mm	± 0.8	± 0.8
Thickness (textured)	mm	-0.8 / +1.2	
Width (a < 1000mm)	mm	± 3.0	± 3.0
Width (1000mm < a < 1600mm)	mm		± 0,3% a
Length (1600mm < Length)	mm	± 5.0	± 5.0

### Physical properties

Density, dry minimum (EN12467)	kg/m <sup>3</sup>	1200	1200
Density, dry average (EN12467)	kg/m <sup>3</sup>	1340	1340
Weight (incl. 10% moisture)*	kg/m <sup>2</sup>	11.8	11.8

\* nominal value may vary depending on the conditions

### Mechanical properties (EN 12467)

Flexural modulus			
E-module along grain, ambient	GPa	6.9	6.9
E-module across grain, ambient	GPa	7.4	7.4
E-module along grain, wet	GPa	5.6	5.6
E-module across grain, wet	GPa	5.6	5.6

### Bending strength (EN 12467)

Along grain, ambient	MPa	11.8	11.8
Across grain, ambient	MPa	18.8	18.8
Average, Ambient	MPa	14.5	14.5
Along grain, wet	MPa	7.61	7.61
Across grain, wet	MPa	13.4	13.4
Average, Wet	MPa	10.5	10.5

### Thermal properties

Frost resistance (average along/across)	RL	≥0.75	≥ 0.75
Frost resistance (max. cycles RL > 0,75 EN12467)	Cycles	>100	>100

### Hygrothermal properties

Moisture movement (30/90 % RH, EN 12467)	%	0.038	0.038
Water impermeability (EN 12467)	Visual	No drop	No drop

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# Swisspearl Plank / Panel

<b>Fire Performance</b>		Swisspearl Plank Swisspearl Panel			
Reaction to fire (EN 13501-1)	Rating	A2-s1, d0	A2-s1, d0		
<b>Other properties</b>					
Category, class (EN12467)	NT A2 I				
<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 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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