

Swisspearl Zenor HR

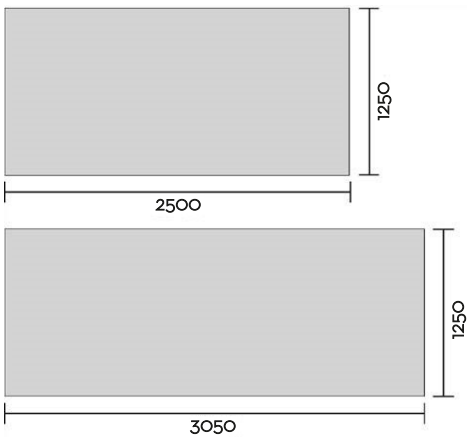
Datasheet - Facade Boards

Swisspearl Zenor boards come as through coloured board with opaque coating and with Zenor HR you can even add a plus. Zenor HR features an High-resistance functional coating which offers an increased scratch resistance, extra weather protection, and protection against heavy surface contamination. With Zenor HR, buildings will stay clean, without compromise.

Even after multiple graffiti removals using solvents, the surface and color brilliance of the facade are preserved. This means if you choose Zenor HR 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. Swisspearl facade boards are a high quality fibercement used as a part of a ventilated facade solution on all types of constructions.

Dimensions (nominal)		Standard size
Thickness	mm	8
		12
Width	mm	1250
Length	mm	2500
		3050

Standard size



Project size



*: Untrimmed

www.swisspearl.com

The figures given are typical values.

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

Swisspearl Zenor HR

Dimension tolerance (EN 12467, Level I)		
Thickness	%	± 10
Width/Length (1000mm < a < 1600mm)	mm	± 0.3% a
Length (1600mm < a)	mm	± 5.0

* a is the nominal width or length

Physical properties		
Density, dry minimum (EN 12467 - apparent density)	kg/m ³	≥ 1550
Density, dry average (EN 12467)	kg/m ³	1750
Weight*	kg/m ²	(8 mm) 14.0 (12 mm) 21.0

* nominal value may vary depending on the conditions

Mechanical properties (EN 12467)		
Flexural modulus		
E-module along grain, wet	GPa	12.3
E-module across grain, wet	GPa	13.8
E-module average, wet	GPa	13.1

Bending strength (EN 12467)		
Along grain, wet	MPa	22.3
Across grain, wet	MPa	30.9

Thermal properties		
Thermal conductivity (ISO 8301, EN 12667), λ_{10}	W/mK	0.56
Coefficient of thermal expansion	mm/m °C	0.01
Frost resistance (average along/across)	R _L	≥ 0.75
Frost resistance (max. cycles R _L > 0,75 EN 12467)	Cycles	>100

Hygrothermal properties		
Moisture movement dry-wet	%	0.5

Fire Performance		
Reaction to fire (EN 13501-1)	Rating	A2-s1, d0

Other properties		
Category, class (EN 12467)		NT A4 I

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