

# Swisspearl Largo

Version: 6/26

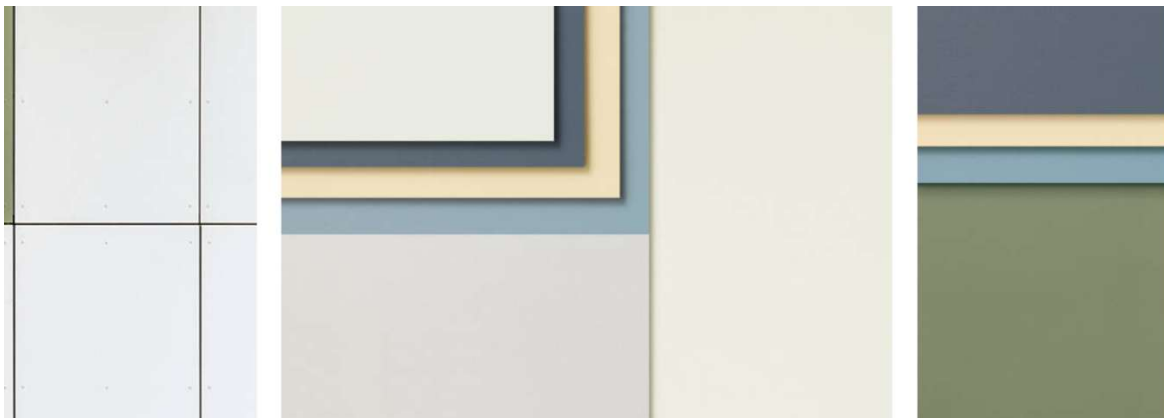
Façade Boards

EN 12467

## Zenor | Planea

Planea is a naturally dried grey fibre cement board with an opaque, durable surface coating. The matte, smooth surface enhances the clarity and intensity of the colours, making them particularly expressive. Planea can be used to create a colour-intensive building envelope that provides a striking contrast to its surroundings.

Zenor is a large-format fibre cement panel with an opaque coating. The selected colour range enables cost-effective yet high-quality implementation from production to assembly. It provides all-round protection for building envelopes with simple elegance.



## Shading

Deviations in colour shades, both within a single product and from product to product, are a natural part of the production process, highlighting the vibrant, expressive character of the material. Colour variation is measured on the production line using the CIELAB colour model.

## Colour Range

Please check the local homepage for available colors.

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	Units	6 mm	8 mm	12 mm
<b>Dimension (nominal)</b>				
Thickness	mm	6.0	8.0	12.0
Width	mm	1192 1250	1192 1250	1192 1250
Length	mm	2510 3050	2510 3050	2510 3050

## Dimension tolerance (EN 12467, Level 1)

Thickness (up to 20 mm)	mm	± 0.6	± 0.8	± 1.2
Width (1000 mm < a < 1600 mm)	mm	± 0.3 % a	± 0.3 % a	± 0.3 % a
Length (1600 mm < a)	mm	± 5.0	± 5.0	± 5.0

a is the nominal width or length

## Physical properties

Density, dry minimum (EN 12467)	Kg/m <sup>3</sup>	≥ 1550	≥ 1550	≥ 1550
Density, dry average (EN 12467)	Kg/m <sup>3</sup>	1800	1800	1800
Weight (average shipping weight)	Kg/m <sup>2</sup>	12.4	16.6	24.8

## Mechanical properties

### Bending modulus of elasticity MOE (EN 12467)

E-module average, ambient	GPa	12.0	12.0	12.0
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### Bending strength MOR (EN 12467)

Wet average (EN 12467)	MPa	25.3	25.3	25.3
Minimum Class A4 (EN 12467)	MPa	18.0	18.0	18.0

## Color variation measured on the production line

CIELAB colour model	ΔE	< 2.0	< 2.0	< 2.0
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## Color Resistance to UV (Xenon Arc light for accelerated weathering) ASTM G155

3000 hours	ΔE	< 5.0	< 5.0	< 5.0
5000 hours	ΔE	< 5.0	< 5.0	< 5.0

## Environmental footprint (EN 15804 ISO 14040/ ISO 14044)

GWP-total (A1-C4)	kgCO <sub>2</sub> -eq		16,7	
GWP-biogenic (A1-C4)	kgCO <sub>2</sub> -eq		0,74	
GWP-fossil (A1-C4)	kgCO <sub>2</sub> -eq		16,5	

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	Units	6 mm	8 mm	12 mm
<b>Thermal properties</b>				
Coefficient of thermal expansion $\lambda_{10}$	mm/m °C	0.01	0.01	0.01
Temperature (air) in use	°C max	-40 +80	-40 +80	-40 +80
Frost resistance (100 cycles EN 12467)	RL	RL > 0,75	RL > 0,75	RL > 0,75
Thermal conductivity (ISO 8301, EN 12667) $\lambda_{10}$	W/mK	0.5	0.5	0.5

<b>Hygrothermal properties</b>				
Moisture movement (30/90 % RH, EN 12467)	mm/m	1.5	1.5	1.5
Moisture movement (wet-dry-wet)	mm/m	< 5	< 5	< 5
Moisture content	%	2 - 7	2 - 7	2 - 7

<b>Water vapour transmission properties (ISO 12572)</b>				
Vapour performance	kg/m <sup>2</sup> s Pa	0,03	0,03	0,03
Vapour transmission resistance (Z-value)	GPa m <sup>2</sup> s/kg	30,7	30,7	30,7
Vapour transmission resistance	s/m	224892	224892	224892
Vapour resistivity	Sd (m)	3,77	5	7,55
Vapour resistance factor, $\mu$	MN s/(gm)	3840	3840	3840

<b>Fire Performance</b>				
Reaction to fire (EN 13501-1)		A2-s1. d0	A2-s1. d0	A2-s1. d0

<b>Other properties</b>				
Category, class (EN 12467)		NT A4	NT A4	NT A4

## Impact resistance test (EAD 090062-01-0404) 8 mm + 12 mm

	Max.	Category IV	Category III	Category II	Category I
Hard body	1 Joule	Passed			
	3 Joule				
	10 Joule				
Soft body	10 Joule	Passed			Passed with ghost battens
	60 Joule				
	300 Joule	Not Passed			
	400 Joule				

\*Installation principles determine the classification, contact product compliance for further information

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## Visual Appearance



ZENOR



PLANEA

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## Certifications

In compliance with European Regulation (EU) No. 305/2011 (Construction Products Regulation – CPR), the manufacturer provides a Declaration of Performance (DoP) for the product, confirming that it bears the CE marking. This marking indicates that the product meets the essential requirements set out in the applicable harmonized European standard. The Declaration of Performance, issued under the CPR, is available at [www.swisspearl.com](http://www.swisspearl.com)



The manufacturing facility holds the latest versions of the following ISO certificates.

- ISO 9001 Quality Management System

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## Disclaimer

This Product Data Sheet reflects typical values based on current production. While we aim to maintain consistent quality, minor variations may occur. Please note that all values are subject to an AQL level and tolerance in accordance with EN 12467. Key performance indicators (KPIs) are monitored and reviewed annually to ensure product reliability and continuous improvement.

The information provided serves as a general guide and may be updated without notice. We recommend validating the product for your specific application before use.

The material is made from natural raw materials; therefore, each individual fibre-cement product has its own unique appearance and texture. Inclusions, impurities, and irregularities may occur, such as uneven surfaces or textures, which are part of the product's natural look and feel. Natural imperfections may be visible; however, the overall appearance of the product will be homogeneous. These characteristics do not affect the strength or durability of fibre-cement products. Over time, the appearance of fibre-cement products will change as a result of exposure to environmental factors.

The values given are typical values

\*: If any recipe or production process changes, the verification period is accordingly revised.

NA: Not applicable

NR: Not relevant