

Swisspearl Largo

8/26

Façade Boards

AC90 / ASTM 1186 / EN12467

Zenor | Planea

Planea is a naturally dried grey fibre cement board with an opaque, strong surface coating. The matte, smooth surface highlights the clear and intense colours, making them particularly expressive. Planea can be used to create a colour-intensive building envelope that brings a bright contrast to the surroundings.

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



Colour Range*

*Restrictions may apply please check homepage

ZENOR

-  optional transparent High-Resistant Coating
-  opaque
-  coloured through in a similar shade to the surface



PLANEA

-  opaque
-  grey based



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	Units	6	8	12
Dimension (nominal)				
Thickness	mm	6	8	12
Width	in	46.38 49.21	46.38 49.21	46.38 49.21
Length	in	98.82 120.08	98.82 120.08	98.82 120.08
Dimension tolerance (Internal requirement)				
Thickness (up to 0.79 in)	in	+/- 0.024	+/- 0.032	+/- 0.047
Width (39.4 in < Width < 63.0 in)	in	+/-1.18	+/-1.18	+/-1.18
Length (63.0 in < Length)	in	+/- 2.0	+/- 2.0	+/- 2.0
Physical properties				
Density, dry minimum (ASTM 1186)	lb/ft³	≥ 96.7	≥ 96.7	≥ 96.7
Density, dry average (ASTM 1186)	lb/ft³	106.1	106.1	106.1
Weight (average shipping weight)	lb/ft²	2.54	3.40	5.08
Moisture content	%	2 - 7	2 - 7	2 - 7
Mechanical properties MOE (EN 12467 / ASTM 1186)				
Bending modulus of elasticity				
E-module Average , ambient	GPa	12.0	12.0	12.0
Flexural strength (ASTM 1186)				
Wet average (ASTM 1186)	psi	3669	3669	3669
Minimum (ASTM 1186)	psi	2610	2610	2610
Color variation measured on the production line				
CIELAB colour model	ΔL	< 2.0	< 2.0	< 2.0
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 ₂ -eq		16,9	
GWP-biogenic (A1-C4)	kgCO ₂ -eq		0,18	
GWP-fossil (A1-C4)	kgCO ₂ -eq		16,7	

	Units	6	8	12
Thermal properties				
Coefficient of thermal expansion λ_{10}	mm/m °C	0.01	0.01	0.01
Temperature (air) in use	°C max	-40 - +80	-40 - +80	-40 - +80
Frost resistance (max. cycles RL > 0,75 ASTM 1186)		100	100	100
Thermal conductivity (ISO 8301, EN 12667)	W/mK	0.5	0.5	0.5
Hygrothermal properties				
Water absorption (24 hrs 105°C, 24 hrs in water)	%	14.6	14.6	14.6
Moistore movement	%	0.1	0.1	0.1
Water vapour transmission properties (ISO 12572)				
Vapour performance	kg/m² s Pa	0.19	0.19	0.19
Vapour transmission resistance (Z-value)	GPa m² s/kg	5.21	5.21	5.21
Vapour transmission resistance	s/m	38185	38185	38185
Vapour resistivity	Sd (m)	1.01	1.01	1.01
Vapour resistance factor, μ	MN s/(gm)	651	651	651
Fire Performance				
Reaction to fire (EN 13501-1)		A2-s1. d0	A2-s1. d0	A2-s1. d0
Fire preformance (NFPA 285)			Passed	
Behavior of materials at 750 °C (ASTM E136)			Passed	
Fire preformance (ASTM E84)		Class A (Does not ignite)		
Other properties				
Category, class ASTM 1186		Type A, class IV	Type A, class IV	Type A, class IV
Impact resistance test ETB-Guideline (1985)				
Hard body		-	-	passed (for balconies)
Soft body		-	-	passed (for balconies)

Visual Appearance



ZENOR



PLANEA

Certifications

In compliance with European Regulation 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 relevant harmonized European standard. The Declaration of Performance, issued under the CPR, is available at www.swisspearl.com



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

- ISO 9001 Quality Management System

Disclaimer

This Product Data Sheet reflects typical values based on current running production. While we aim to maintain consistent quality, minor variations may occur. please Note; that all values have a AQL level and a tolerance, in relation to the EN12467. Key performance indicators (KPIs) are monitored and reviewed annually to ensure product reliability and continuous improvement. The information is provided 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, each individual fibre-cement product has its own individual look and texture. Inclusions, impurities, irregularities, can occur, such as uneven surface, or texture which are part of the products Look and feel. Natural imperfections can be visible, but the product appearance will appear homogenous. The product appearance does not affect the strength and durability of fibre-cement products. Over the years, 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 proces change, the verification period is accordantly revised

NA: Not applicable.

NR: Not relevant