

Swisspearl Largo

8/26

Façade Boards

AC 90 / ASTM 1185 / EN 12467

Carat | Terra | Nobilis

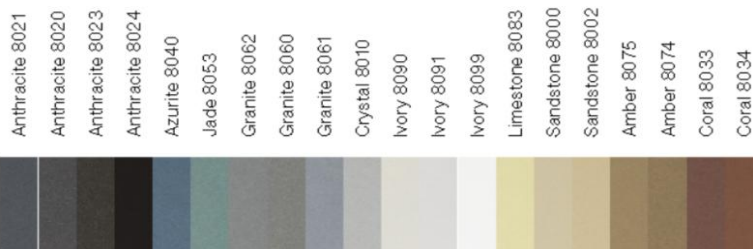
The naturally dried colour lines create clear expressiveness through a translucent, lightly pigmented surface. The through-coloured of the fibre cement panels creates monolithic and elegant-looking building envelopes.

Carat / Terra / Nobilis are independent and simple and, at the same time, offers numerous colour combinations. Alternatively, Carat is also available with a special HR coating that offers greater scratch resistance and protection against heavy soiling and graffiti.



CARAT

-  optional transparent High-Resistant Coating
-  translucent lightly pigmented
-  coloured through



TERRA

-  translucent strongly pigmented
-  grey based



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	Units	6	8	12
Dimension (nominal)				
Thickness	mm	6	8	12
Width	in	46.38	46.38	46.38
		49.21	49.21	49.21
Length	in	98.82	98.82	98.82
		120.08	120.08	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	112.4	112.4	112.4
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

Flexual 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	ΔE	< 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		16,7	
GWP-biogenic (A1-C4)	kgCO ₂ -eq		0,74	
GWP-fossil (A1-C4)	kgCO ₂ -eq		16,5	

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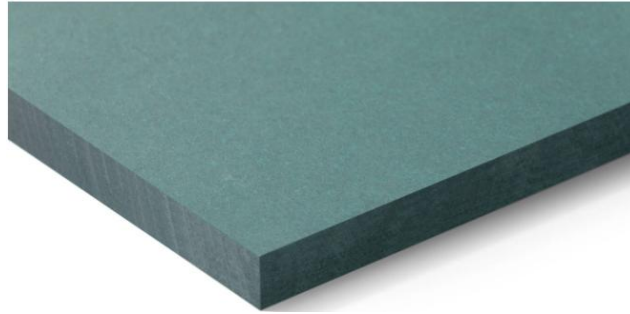


	Units	6	8	12
Thermal properties				
Coefficient of thermal expansion λ ₁₀	mm/m °C	0.01	0.01	0.01
Temperature (air) in use	°C max	-40 - +80	-40 - +80	-40 - +80
Frost resistance (max. cycles RL > 0,75 EN12467)		100	100	100
Thermal conductivity (ISO 8301, EN 12667)	W/mK	0.5	0.5	0.5
Hygrothermal properties				
Water absorption (24 hrs 105°C, 24 hrs in water)	%	14.6	14.6	14.6
Moistore movement (30/90 % RH, ASTM 1186)	in/ft	0.009	0.009	0.009
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)

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SWISSPEARL

Visual Appearance



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. Spots, inclusions, impurities, irregularities, can occur, such as uneven surface, or texture which are part of the products look and feel. Marks from production and painting process are part of the natural characteristics of the material. 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. Note: If any recipe or production process change, the verification period is accordingly revised.

The values given are typical values.

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NA: Not applicable.

NR: Not relevant