

Swisspearl Largo

Version: 6/26

Façade Boards








EN 12467

Carat | Terra | Nobilis

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

Carat / Terra / Nobilis are independent and simple and, at the same time, offer 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.



NOBILIS	TERRA
<ul style="list-style-type: none">  optional transparent High-Resistant Coating  translucent lightly pigmented  grey based 	<ul style="list-style-type: none">  translucent strongly pigmented  grey based
<ul style="list-style-type: none"> Amber 721 Amber 723 Granite 622 Anthraxite 221 Azurite 421 Azurite 422 Jade 522 Jade 521 Granite 624 Crystal 123 Crystal 125 Crystal 122 Crystal 124 	<ul style="list-style-type: none"> Amber 751 Amber 752 Amber 753 Amber 754 Amber 755 Amber 756
	

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	Units	6 mm	8 mm	12 mm
Dimension (nominal)				
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 ³	≥ 1550	≥ 1550	≥ 1550
Density, dry average (EN 12467)	Kg/m ³	1800	1800	1800
Weight (average shipping weight)	Kg/m ²	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
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

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 mm	8 mm	12 mm
Thermal properties				
Coefficient of thermal expansion λ_{10}	mm/m °C	0.01	0.01	0.01
Temperature (air) in use	°C	-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) λ_{10}	W/mK	0.5	0.5	0.5

Hygrothermal properties				
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

Water vapour transmission properties (ISO 12572)				
Vapour performance	kg/m ² s Pa	0.19	0.19	0.19
Vapour transmission resistance (Z-value)	GPa m ² 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

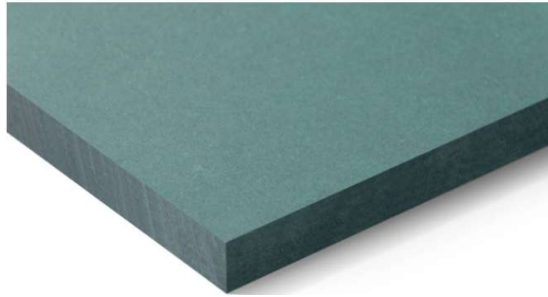
Fire Performance				
Reaction to fire (EN 13501-1)		A2-s1. d0	A2-s1. d0	A2-s1. d0

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

		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

Visual Appearance



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 relevant harmonised 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 production. While we aim to maintain consistent quality, minor variations may occur. Please note that all values have an AQL level and a tolerance in relation to EN 12467. 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; therefore, each individual fibre-cement product has its own unique look 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, but the overall product appearance remains homogeneous. These visual characteristics do not affect the strength or durability of fibre-cement products. Over time, the appearance of fibre-cement products may 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