Swisspearl Largo

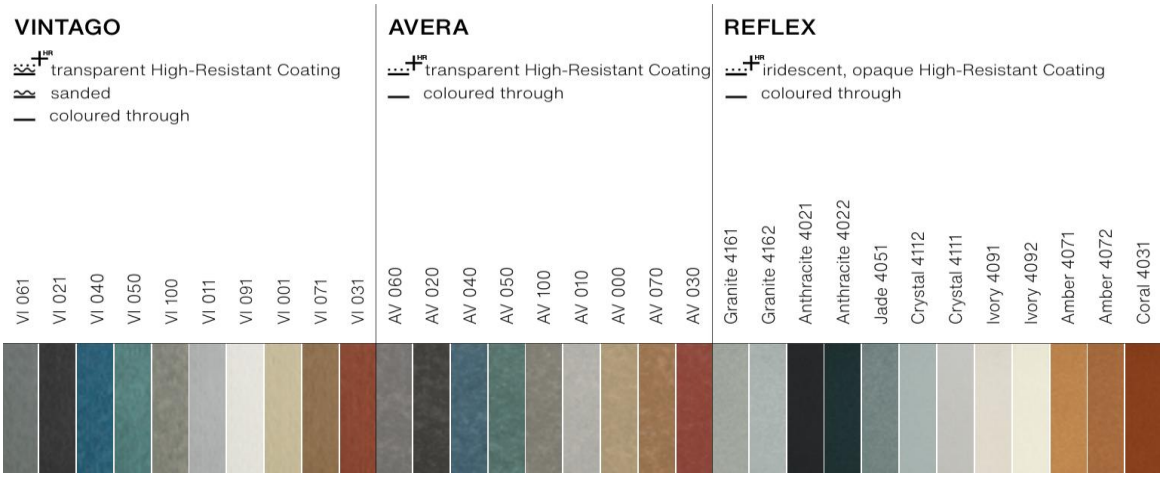
Façade Boards **AC 90 / ASTM 1185 / EN 12467**

Avera | Vintago | Reflex

Avera is a naturally dried, through-coloured fibre-cement panel manufactured using a dynamic production process that gives it an unmistakably natural and authentic texture. The highly resistant transparent coating makes the panels particularly scratch resistant and protects them from heavy soiling and graffiti.

Vintago is a naturally dried fibre-cement panel that features a sanded and slightly rough surface. Through a polishing process using a coarse abrasive grit, the interior and the original character of the fibre-cement board are subtly brought to the surface.

Reflex adds a reflective coating that creates a distinctive light reflection.



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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 (EN 12467)	lb/ft³	≥ 96.7	≥ 96.7	≥ 96.7
Density, dry avarage (EN 12467)	lb/ft³	112.4	112.4	112.4
Weight (average shipping weight)	lb/ft²	2.54	3.40	5.08
Linear Variation Moisture Content	in/ft		≤ 0.03	
Mechnical properties MOE (EN 12467 / ASTM 1186)				
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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Thermal properties				
Mean Coefficient of Linear Thermal Expansion	inch/inch·ºF		0.69 x 10-5	
Temperature (air) in use	°C max	-40 - +80	-40 - +80	-40 - +80
Frost resistance (max. cycles RL > 0,75 EN 12467)		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)
Impact resistance test (EAD 090062-01-0404) 8 mm, 12 mm			8mm	12mm
Hard body 600 C/C		N/A	Cat I	Cat I
Soft body 600 C/C		N/A	Cat I I-b	Cat I I-a
Hidden Fixation / Concealed fixation (SIgna 8 Pro)		N/A	Cat I	Cat I
(support batten with no fixation at 300 C/C for the lower levels and high impact areas		N/A	Cat I	Cat I

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

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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 applicable 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 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