

Swisspearl Patina Inline NXT

8/26

External and Internal wall and ceiling coverings

AC 90 / ASTM 1185 / EN 12467

Patina Inline NXT represents the strength and durability of fibre cement. Milled linear grooves in the facade board create a striking 3D effect that enhances the architectural expression of the building. The defined lines interact with natural light and changing viewing angles, resulting in a dynamic appearance that evolves throughout the day. Patina Inline NXT adds character and depth to any building design.

The natural and authentic surface of Patina Inline NXT creates a distinctive interplay of light and shadow across its raised and recessed areas. This effect becomes even more dynamic when horizontal and vertical facade boards are combined.



Visual Appearance

Over time, Patina Inline NXT develops a natural patina that enhances its authentic appearance. As the seasons change and the years pass, the ageing process of the fibre cement leaves subtle traces on the surface, allowing the facade to gradually acquire a distinctive and individual character.

Shading

Deviations in the color shades both within the product and from product to product are a natural part of the production properties underlining the vibrant, expressive character of the material. Color variation measured on the production line (CIELAB color model), by which only the parameter lightness ΔE of the color is followed:

$$\Delta E = \pm X. X \text{ (Patina NXT } \Delta E = \pm 2.5)$$

Color Range



P 020



P 045



P 070



P 222



P 545

Swisspearl Patina Inline NXT

	Units	8/9.5 mm
Dimension (nominal)		
Thickness	mm	8/9.5
Width	in	46.38 49.21
Length	in	98.82 120.08
*For specific projects, the panels can be cut to custom dimensions.		
Dimension tolerance (ASTM 1186)		
Thickness (up to 0.79 in)	in	+/- 0.032
Width (39.4 in < Width < 63.0 in)	in	+/- 1.18
Length (39.4 in < Width < 63.0 in)	in	+/- 2.0
Length (63.0 in < Length)	in	+/- 2.0
a is the nominal width or length		
Physical properties		
Density, dry minimum (ASTM 1186)	lb/ft ³	≥ 81.2
Density, dry average (ASTM 1186)	lb/ft ³	98.4
Weight (incl. 7,5% moisture)	lb/ft ²	3.28
Moisture content	%	5-10
*Nominal values may vary depending on the conditions		
Mechanical properties MOE (EN 12467)		
Bending modulus of elasticity		
E-module Average, ambient	GPa	17
Flexural strength (ASTM 1186)		
Wet average (ASTM 1186)	psi	3480
Minimum Class (ASTM 1186)	psi	2610
Color variation		
CIELAB colour model	ΔL	-2.5 / +2.5
Color Resistance to UVA		
3000 hours	ΔE	2.7
Environmental footprint (EN 15804 ISO 14040/ ISO 14044)		
	Inline NXT 9,5 / 8 mm	
GWP-total (A1-C4)	kgCO ₂ -eq	15.86
GWP-biogenic (A1-C4)	kgCO ₂ -eq	0.301
GWP-fossil (A1-C4)	kgCO ₂ -eq	15.58

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	Units	8/9.5 mm		
Thermal properties				
Coefficient of thermal expansion	mm/m °C	0.01		
Temperature (air) in use	°C	-40 - +80		
Frost resistance (max. 100 cycles EN 12467)	RL	RL > 0,75		
Hygrothermal properties				
Water absorption (24 hrs 105 °C, 24 hrs in water)	%	< 25		
Moisture movement (ASTM 1186)	in	0.06		
Water vapour transmission properties (EN 12572-C)				
Water vapour transmission resistance (Z-value)	GPa m² s/kg	2.5		
Water vapour transmission resistance (Z-value)	s/m	18500		
Water vapour diffusion equivalent air layer thickness	Sd(m)	0.5		
Water vapour resistivity	MN s/gm	327		
Water vapour resistance factor	μ	58		
Water vapour resistance	MN s/g	2.5		
Water vapour transmission	USPerm	7.0		
Fire Performance				
Reaction to fire (EN 13501-1)	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)			
*installtion principles determine the classification, contact product compliance for further infomation				
Other properties				
Category, class ASTM 1186	Type A, class IV			
M1-Classification, VOC emission, EN 16516:2017 + A1:2020	Approved			
REACH (EC) No. 1907/2006	Compliant			
Impact resistance test (EAD 090062-01-0404)				
	Category IV	Category III	Category II	Category I
Hard body	1 Joule	Passed		
	3 Joule		Passed	Passed
	10 Joule			Passed
Soft body	10 Joule	Passed	Passed	
	60 Joule			Passed
	300 Joule			Passed
	400 Joule			Fail
Evaluation	Passed	Passed	Passed	Fail
Impact end use catgory (EAD 090062-01-0404)			9,5/8 mm Category II-a*	

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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 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. Please refer to our website for further details.

ISO 9001 QMS Certification

ISO 14001 EMS Certification

ISO 45001:2018 OHSM Certification

Disclaimer

This Technical 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, including 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, e.g., compatibility between Swisspearl products, including the Swisspearl fixing system (if applicable), and any underlying support system or supporting structure.

The material is made from natural raw materials; each individual fibre-cement product has its own unique appearance and texture. Spots, inclusions, impurities, and irregularities may occur, such as uneven surfaces or textures, which form part of the product's appearance. The product's appearance does not affect the strength and durability of fibre-cement products. Over time, the appearance of fibre-cement products may change as a result of exposure to environmental factors. Note: If any recipe or production process changes, the verification period will be revised accordingly.

The specifications are not exhaustive, and Swisspearl's local general installation guidelines must always be taken into account.

The values given are typical values

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NA: Not applicable

NOTE: All values given in this document are taken from nominal dimensions, tolerance will apply