

# Swisspearl Patina Inline NXT

Version: 6/26

**External and Internal wall and ceiling coverings**

**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  $\Delta L$  of the color is followed:

Patina NXT  $\Delta L = \pm 2.5$

## Color Range



P 020



P 045



P 070



P 222



P 545

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	Units	9,5 / 8 mm
<b>Dimension (nominal)</b>		
Thickness	mm	9,5 / 8
Width*	mm	1192 1250
Length*	mm	2500 3050

\*For specific projects, the panels can be cut to custom dimensions.

<b>Dimension tolerance (EN 12467, Level 1)</b>		
Thickness (up to 20 mm)	mm	- 0,95 / +1,425
Width (1000 mm < a < 1600 mm)	mm	± 0.3 % a
Length (1000 mm < a < 1600 mm)	mm	± 0.3 % a
Length (1600 mm < Length)	mm	± 5.0

a is the nominal width or length

<b>Physical properties</b>		
Density, dry minimum (EN 12467)	Kg/m <sup>3</sup>	≥ 1300
Density, dry average (EN 12467)	Kg/m <sup>3</sup>	1577
Weight (Nominal, Mean)*	Kg/m <sup>2</sup>	16.0

\*Nominal values may vary depending on the conditions

<b>Mechanical properties</b>		
<b>Bending modulus of elasticity MOE (EN 12467)</b>		
E-module Average, ambient	GPa	17
<b>Bending strength MOR (EN 12467)</b>		
Wet average (EN 12467)	MPa	24
Minimum Class A4 (EN 12467)	MPa	18

<b>Color variation measured on the production line</b>		
CIELAB colour model	ΔL	-2.5/+2.5
<b>Color Resistance to UVA (ASTM G155)</b>		
3000 hours	ΔE	2.7

<b>Environmental footprint (EN 15804 ISO 14040/ ISO 14044)</b>		
GWP-total (A1-C4)	kgCO <sub>2</sub> -eq	15.86
GWP-biogenic (A1-C4)	kgCO <sub>2</sub> -eq	0.301
GWP-fossil (A1-C4)	kgCO <sub>2</sub> -eq	15.58

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	Units	9,5 / 8 mm			
<b>Thermal properties</b>					
Coefficient of thermal expansion $\lambda_{10}$	mm/m °C	0.01			
Temperature (air) in use	°C	-40 - +80			
Frost resistance (100 cycles EN 12467)	RL	RL > 0,75			
Thermal conductivity ( ISO 8301, EN 12667), $\lambda_{10}$	W/mK	0.37			
<b>Hygrothermal properties</b>					
Moisture movement (30/90% RH, EN 12467)	%	0.08			
Moisture movement (wet-dry-wet)	%	0.18			
Moisture content	%	5-10			
<b>Water vapour transmission properties (EN 12572-C)</b>					
Water vapour transmission resistance (Z-value)	GPa m <sup>2</sup> 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	$\mu$	58			
Water vapour resistance	MN s/g	2.5			
Water vapour transmission	USPerm	7.0			
<b>Fire Performance</b>					
Reaction to fire (EN 13501-1)	Rating	A2-s1, d0			
Behavior of materials at 750 °C (ASTM E136)		Passed			
External thermal insulation for walls (BS 8414-2-2015+A1-2017)*		Passed			
*installation principles determine the classification, contact product compliance for further information					
<b>Other properties</b>					
Category, class (EN 12467)		NT A4 I			
M1-Classification, VOC emission, EN 16516:2017 + A1:2020		Approved			
REACH (EC) No. 1907/2006		Compliant			
<b>Impact resistance test (EAD 090062-01-0404)</b>					
		Category IV	Category III	Category II	Category I
Hard body	1 Joule	Passed			
	3 Joule		Passed	Passed	Passed
	10 Joule			Passed	Passed
Soft body	10 Joule	Passed	Passed		
	60 Joule			Passed	Passed
	300 Joule			Passed	
	400 Joule				Fail
Evaluation		Passed	Passed	Passed	Fail
<b>Impact end use category (EAD 090062-01-0404)</b>		9,5/8 mm Category II-a*			
*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 relevant harmonised European standard. The Declaration of Performance, issued under the CPR, is available at [www.swisspearl.com](http://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

\*: If any recipe or production process changes, the verification period is accordingly revised.

NA: Not applicable

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