Swisspearl Patina Inline NXT

Version: 11/25

External and Internal wall and ceiling coverings **EN 12467**

Patina Inline NXT represents the strength and durability of fibre cement. With milled linear grooves in the facade board, Patina Inline NXT gives a 3D effect to the building. The featured lines in combination with the natural light and viewing angle give a lively look that keeps changing throughout the day. Patina Inline provides character and depth to your building design.

The natural and authentic Patina Inline NXT board brings a significant play of shades between the high and low of the board – and it gets even more interesting when combining the horizontal and vertical installations of facade boards.

Visual Appearance

Patina Inline NXT will patinate with time – enriching its natural appearance. As the seasons change and the years pass, the natural ageing of the fibre cement leaves subtle traces on the surface, and the facade will gradually acquire a distinctive patina.

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 ΔL of the color is followed:

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

Color Range

P 020 P 045 P 070 P 222 P 545

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

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

Dimension tolerance (EN 12467, Level 1)		
Thickness (up to 20 mm)	mm	± 10%
Width (1000 mm < a < 1600 mm)	mm	± 0,3% a
Length (1000mm < a < 1600mm)	mm	± 0,3% a
Length (1600 mm < Length)	mm	± 5.0

a is the nominal width or length

Physical properties		
Density, dry minimum (EN12467)	Kg/m³	≥ 1300
Density, dry avarage (EN12467)	Kg/m³	1577
Weight (Nominal, Mean)*	Kg/m²	16.0
Moisture content	%	5-10

*Nominal values may vary depending on the conditions

Mechnical properties MOE (EN 12467)		
Bending modulus of elasticity		
E-module Average , ambient	GPa	17

Bending strength MOR (EN 12467)		
Wet average (EN12467)	MPa	24
Minimum Class A4 (EN12467)	MPa	18

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)	kgCO2-eq	15.86
GWP-biogenic (A1-C4)	kgCO2-eq	0.301
GWP-fossil (A1-C4)	kgCO2-eq	15.58

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Thermal properties	Units	9,5 / 8 mm
Coefficient of thermal expansion	mm/m °C	0.01
Temperature (air) in use	°C	-40 - +80
Frost resistance (max. 100 cycles EN12467)	R_L	RL > 0,75

Hygrothermal properties		
Water absorption (24 hrs 105° C, 24 hrs in water)	%	< 25
Moisture movement (30/90 % RH, EN 12467)	%	0.08
Moistore movement (wet-dry-wet)	mm/m	1.8

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)	Rating	A2-s1, d0
Behavior of materials at 750ºC (ASTM E136)		Passed
External thermal insulation for walls (BS 8414-2-2015+A1-2017)*		Passed

*installtion princples determine the classfication, contact product compliance for further infomation

Other properties	
Category, class (EN12467)	NT A4 I
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 II	Category I
Hard body	1 Joule			Passed		
	3 Joule			Passed		
	10 Joule			Passed		
Soft body	10 Joule			Passed		
	60 Joule			Passed		
	300 Joule			Passed		
	400 Joule				Not passed	

Impact end use catergory (EAD 090062-01-0404)	9,5/8mm Category II-a*

*installtion princples determine the classfication, contact product compliance for further infomation

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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. See website

ISO 9001 QMS Certification

ISO 14001 EMS Certification

ISO 45001 QMS Certification

Disclamer

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, also 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. 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 accordantly revised.

The values given are typical values.

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NA: Not applicable.

NOTE: All values given in this document are taken from nominal dimminsions., Tollerance will apply