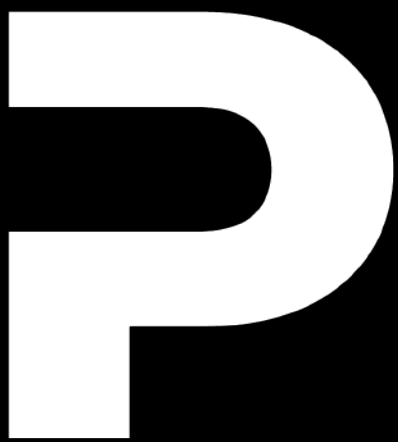




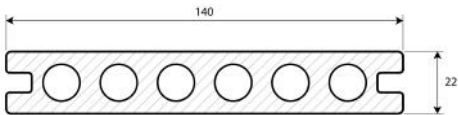
TECHNICAL DATASHEET

PuraPrime

PuraPrime

DECKING BOARD · WOOD-POLYMER COMPOSITE

A wood-polymer composite decking board with a reinforced round-hollow chambered profile. This datasheet records its performance against EN and ISO test methods.



SECTION SIZE	LENGTH	REACTION TO FIRE	SLIP
22 x 140 mm	2.8 to 4.0 m	Cfl-s1	≥ 36 PTV



— APPEARANCE

01

Surface & colour

Reversible board with a wood-grain face and a fine-ribbed anti-slip reverse. Colour through-pigmented in the mass and UV-stable to the tested xenon-arc exposure.



— SUSTAINABILITY

02

Environment

PROPERTY	VALUE
Service life	> 20 years
Renewable wood fibre	60 %
Recycled material	WPC
Certification	FSC® C226444



Product information

PROPERTY	VALUE
Section size	22 × 140 mm
Length options	2.8 to 4.0 m
Weight	3.0 kg/m (-5% / +10%)
Profile	Round hollow, chambered
Composition	60% wood fibre · 35% HDPE · 5% additives
Service temperature	-30 °C to +60 °C
Colour options	Oak · Walnut · Silver Ash · Slate Grey · Charcoal

— MECHANICAL PROPERTIES

04

Mechanical

PROPERTY	RESULT	STANDARD / CONDITION
Bending strength	$\geq 20 \text{ MPa}$	EN 15534 · span 300 mm
Modulus of elasticity (bending)	$\geq 3300 \text{ MPa}$	EN 15534 · span 300 mm
Breaking force	$\geq 3300 \text{ N}$	EN 15534 · span 300 mm, mean
Deflection at 500 N	$\leq 1.0 \text{ mm}$	EN 15534 · span 300 mm
Impact resistance (hard body, 7 J)	No crack $\geq 10 \text{ mm}$ · no indent $\geq 0.5 \text{ mm}$	EN 15534 · +23 °C and -20 °C
Dimensional tolerance (length)	$\pm 2.0 \text{ mm}$	EN 15534
Dimensional tolerance (width / thickness)	$\pm 1.0 \text{ mm}$	EN 15534
Edge straightness	$\leq 1.0 \text{ mm/m}$	EN 15534
Transverse curvature	$\leq 0.5 \text{ mm}$	EN 15534
Fastener retention (HDPE clip)	$\geq 600 \text{ N}$ · $\geq 40 \text{ MPa}$	EN 1383 · joist-clip-screw
Fastener retention (stainless clip)	$\geq 800 \text{ N}$ · $\geq 60 \text{ MPa}$	EN 1383 · joist-clip-screw
Dynamic load resistance	$\geq 736 \text{ Nm}$	EN 1195 · 30 kg / 250 mm, mid-span
Slip resistance	$\geq 36 \text{ PTV}$ (wet & dry)	EN 15534 · pendulum

NOTE

Figures are the declared performance limits ($\geq$ / $\leq$) from the product's technical assessment.

Moisture & thermal

PROPERTY	RESULT	STANDARD / CONDITION
Water absorption	$\leq 7 \%$	EN 15534 · 28-day immersion, +20 °C
Swelling	$L \leq 0.4 \%$ · $W \leq 0.8 \%$ · $T \leq 4 \%$	EN 15534 · 28-day immersion, +20 °C
Wet-cycle strength loss	$\leq 20 \%$	EN 15534 · after humidity cycles
Linear thermal expansion	$\leq 5 \times 10^{-6} \text{ K}^{-1}$	EN 1770 · -20 to +80 °C

Durability & fire

PROPERTY	RESULT	STANDARD / CONDITION
Reaction to fire	Cf1-s1	EN 13501-1
Ignitability (single-flame, 15 s)	$F_s \leq 150 \text{ mm}$	EN ISO 11925-2
Critical heat flux (radiant panel)	4.6 kW/m^2	EN ISO 9239-1
Smoke (radiant panel)	511.7% ·min	EN ISO 9239-1
Colour change (300 h xenon-arc)	$\Delta E^* \leq 3 \text{ to } 11$	EN ISO 4892-2 / ISO 7724

NOTE

Wood-polymer composite with high resistance to rot, fungal decay and insect attack; frost-resistant with low water absorption. Colour-change range spans the product’s colour set.

PuraComposite™

SUSTAINABLE SOLUTIONS

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