



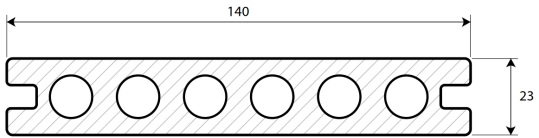
TECHNICAL DATASHEET

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
23 × 140 mm	2.8 to 4.0 m	Cfl-s1	≥ 36 PTV



— APPEARANCE

Surface & colour

01

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.



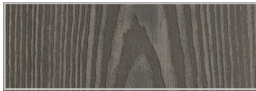
OAK



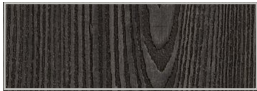
WALNUT



SILVER ASH



SLATE GREY



CHARCOAL

— SUSTAINABILITY

Environment

02

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



The mark of
responsible forestry
FSC™ C226444

Product information

PROPERTY	VALUE
Section size	23 × 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

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