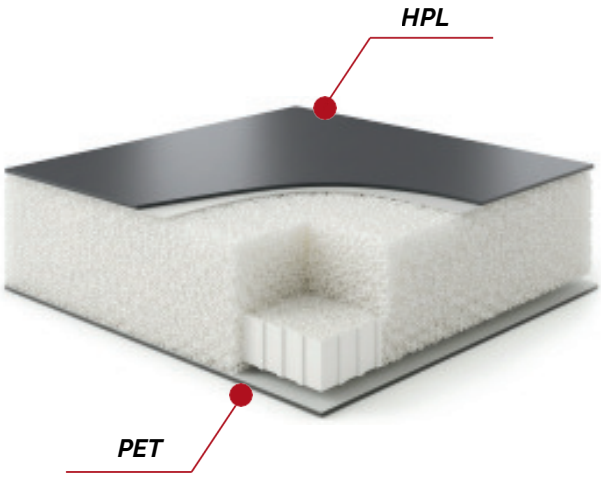
Product Data Sheet

SEAHOLD



DESCRIPTION

High-Performance Composite Panel | Recycled PET Core & HPL Facing.

This advanced laminated panel features a closed-cell, recycled PET foam core, faced on one or both sides with High-Pressure Laminate (HPL).
Engineered for **exceptional screw-holding capacity**, the PET core allows direct processing with standard woodworking tools and conventional hardware—eliminating the need for special fasteners or core pre-treatments. It delivers **reliable performance under both vertical and horizontal fastening loads**.

By combining the lightweight structural strength and fatigue resistance of PET with the superior surface hardness, impact resistance, and customizable aesthetic finish of HPL, this panel offers a remarkably durable solution. It is engineered to withstand heavy static and dynamic loads, making it ideal for demanding structural, architectural, marine, and industrial applications.

Core Mechanical Properties

Property	Test Method	Unit	Value (Typical)
Nominal Density	**ISO 845**	**Kg/m3**	**210**
Compressive Strength	ISO 844	N/mm2	3.8
Compressive Modulus	ASTM C365	N/mm2	180
Tensile Strenght	ASTM C297	N/mm2	2.85
Shear Strenght	ISO 1922	N/mm2	2.0
Shear Modulus	ISO 1922	N/mm2	55
Thermal Conductivity Modulus	EN 12667	W/m.K	0.045
Force 15 mm screw depth	**DINE EN 320**	**N**	**520**
Force 30 mm screw depth	**DINE EN 320**	**N**	**1010**
Force per screwed mm	**DINE EN 320**	**N/mm**	**34**

HPL Surface Performance Specifications

Surface Characteristic	Test Method	Performance Level
Scratch Resistance (Smooth)	EN 438	Min. Class 2
Scratch Resistance (Textured)	EN 438	Min. Class 2
Resistance to Staining	EN 438	Min. Class 4
Moist Heat Resistance (100°C)	EN 438	Min. Class 3
Flatness (Lenght/Width)	ISO 13894-1	≤ 2mm/m

CERTIFICATIONS *on demand*

*Different thicknesses, sizes, and compositions are available upon request.

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