



# POLYWALL

The Lightweight, High-Performance  
Solution for Yacht Partitions

[info@cfwood.it](mailto:info@cfwood.it)  
[www.cfwood.it](http://www.cfwood.it)



TEAK AND  
YACHT PANELS



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Polywall panels are designed as an innovative solution for creating compartments and structural bulkheads in yachts, offering a lighter and efficient alternative to traditional Polyphon/Polymer panels.

## WHY CHOOSE POLYWALL?

- **Lightweight and Strong:** Reduces weight by 20% compared to traditional panels without compromising strength.
- **Excellent Acoustic Insulation:** Ensures a quieter environment on board.
- **Easy to Work With:** Adapts to various design and installation needs.
- **Customizable:** Tailor-made compositions can be created for every need, as well as the choice of using PV and PET as inserts.
- **Safe Bonding:** Uses a single-component polyurethane adhesive with zero formaldehyde emissions.

## APPLICATIONS:

- Compartments
- Structural Bulkheads
- Interior Linings

Polywall is the ideal choice for those seeking a lightweight, high-performance, and customizable solution for yacht compartments. Thanks to its unique characteristics, it guarantees excellent acoustic insulation, long durability, and a reduced environmental impact.

PANEL THICKNESS IN PRODUCTION EN 315	40mm	44mm	50 mm
Building	4+13+1,5+3+1,5+13+4	4+15+1,5+3+1,5+15+4	2+20+1,5+3+1,5+20+2

SPECIFICATIONS	RULE	u.m			
PANEL THICKNESS	EN 315	mm	40		
BUILDING			4-13-1,5-3-1,5-13-4		
GLUING	Polyurethane glue - MED Certified				
ESSENCE	Okoumé				
DENSITY	EN 315	KG/m <sup>3</sup>	262		
STANDARD SIZE	EN 315	cm	248x120	308x151	
TENSILE STRENGTH					
LONGITUDINAL	EN 310	MPa		11,6	
TRANSVERSAL	EN 310	MPa		18	
ELASTIC MODULUS					
LONGITUDINAL	EN 310	MPa		1261	
TRANSVERSAL	EN 310	MPa		2149	
THERMAL CONDUCTIBILITY	EN 6945	W/m <sup>2</sup> K		2,2	
NOISE INSULATION	ISO 717	dB		23	

DIMENSIONAL TOLERANCES			
Thickness		mm	+0,2/-0,8
Length		mm	+/-2
Width		mm	+/-2
Squareness		mm/m	<1,0

Note: the thermal conductivity coefficient here indicated is calculated without considering its inductive thermal resistance data, which has to be calculated during planning according to the position where the panel will be used. The data indicated in this data sheet was obtained through laboratory tests carried out in a laboratory. These data can be varied without any notice. The Purchaser is responsible for the verification that every product bought from C.F. S.r.l. is installed according to their correct placement and field of use. Custom thickness, sizes and compositions can be supplied on request.