



# POLYPHON

Silence and lightness,  
the perfect combination for your yacht.

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TEAK AND  
YACHT PANELS



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Silence and lightness,  
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Polyphon is the ideal solution to ensure a quiet and comfortable environment on board the most demanding vessels. Made with high-quality materials, this panel is the perfect choice for lining areas of the boat that require superior acoustic comfort, such as cabins, floors, and bulkheads.

## WHY CHOOSE POLYPHON?

- **Absolute silence:** It minimises external and internal noise from 30 dB, creating a more relaxing and comfortable on-board environment thanks to cork-rubber liners of different densities (650-950 kg/m<sup>3</sup>).
- **Lightweight and high-performing:** Thanks to its optimal weight-to-acoustic insulation ratio, Polyphon does not weigh down the yacht's structure, helping to improve its performance.
- **Durable and resistant:** Resistant to humidity and atmospheric agents, Polyphon maintains its characteristics over time.
- **Easy to work with:** It can be easily cut, glued, and worked, simplifying installation operations.
- **Customizable:** Available in various thicknesses to meet any requirement.
- **Sustainable:** Made with low-formaldehyde adhesives and the possibility of FSC certification, it is the ideal choice for those who want a sustainable and high-quality product.

## APPLICATIONS

- **Cabins:** Create a quiet and restful environment for guests and crew.
- **Floors:** Ensures optimal acoustic insulation and superior walking comfort.
- **Bulkheads:** Reduces noise transmission between environments.

Polyphon is the ideal choice for those looking for a sandwich panel with excellent acoustic insulation.

| PANEL THICKNESS IN PRODUCTION EN 315 | 9mm   | 11mm  | 15mm  | 18mm  | 19mm  | 22mm  | 23mm    |
|--------------------------------------|-------|-------|-------|-------|-------|-------|---------|
| Building                             | 3+3+3 | 4+3+4 | 6+3+6 | 6+6+6 | 8+3+8 | 8+6+8 | 10+3+10 |

| SPECIFICATIONS         | RULE    | u.m                |                                   |       |       |         |       |       |    |
|------------------------|---------|--------------------|-----------------------------------|-------|-------|---------|-------|-------|----|
| PANEL THICKNESS        | EN 315  | mm                 | 15                                |       |       |         |       |       |    |
| BUILDING               |         |                    | 6+3+6                             |       |       |         |       |       |    |
| GLUING                 |         |                    | Polyurethane glue - MED Certified |       |       |         |       |       |    |
| ESSENCE                |         |                    | Okoumé                            |       |       |         |       |       |    |
| DENSITY                | EN 315  | KG/m <sup>3</sup>  | 542                               |       |       |         |       |       |    |
| STANDARD SIZE          | EN 315  | cm                 | 248x120                           |       |       | 308x151 |       |       |    |
| TENSILE STRENGTH       |         |                    | 11mm.                             | 15mm. | 18mm. | 19mm.   | 22mm. | 23mm. |    |
| LONGITUDINAL           | EN 310  | MPa                |                                   | 22,5  |       |         |       |       |    |
| TRANSVERSAL            | EN 310  | MPa                |                                   | 31,34 |       |         |       |       |    |
| ELASTIC MODULUS        |         |                    |                                   |       |       |         |       |       |    |
| LONGITUDINAL           | EN 310  | MPa                |                                   | 1790  |       |         |       |       |    |
| TRANSVERSAL            | EN 310  | MPa                |                                   | 2188  |       |         |       |       |    |
| THERMAL CONDUCTIBILITY | EN 6945 | W/m <sup>2</sup> K |                                   | 3,5   |       |         |       |       |    |
| NOISE INSULATION       | ISO 717 | dB                 |                                   | 29    | 30    | 31      | 30    | 32    | 32 |

| 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.



Possibility of applying a high-density soundproofing sheath for a better noise insulation on floorings



Il marchio della  
gestione forestale  
responsabile

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