

REFERENCES

Blohm & Voss

Feadship

Fincantieri

German Naval Yards

Meyer Papenburg

STX



cruise ships



mega yachts



sailing yachts



Rudolf Rost Sperrholz GmbH

Lohe 4

25462 Rellingen

Germany

Phone 0049 (0)4101/59 39 - 0

Fax 0049 (0)4101/59 39 - 59

E-mail info@rudolf-rost.de

www.rudolf-rost.de

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JELMO[®]-SHIP

FIRE RESISTANT PLYWOOD



JELMO®-SHIP

FIRE RESISTANT PLYWOOD

JELMO®-SHIP is a lightweight Okoumé plywood especially developed for shipbuilding, whose flame resistance is achieved by impregnating veneers with special salts. Ceiba plywood is used in the JELMO®-SHIP LIGHT version and the JELMO®-FLEX version, thus enabling a weight saving of up to 45% in comparison to conventional plywood. JELMO®-SHIP was the first plywood which has received a „Steering Wheel Approval“. All three versions of JELMO®-SHIP have proven their excellence in practice as floor elements, as wall or ceiling panels, partition walls as well as build-in cupboards and furniture or upholstery applications.



ADVANTAGES

- the bending ability of JELMO®-FLEX allows many shapes and geometries for extravagant designs (Minimum radius about 180 mm at 5 mm thickness)
- high fire-resistance, prevents the spread of heat and flames on flammable materials
- combustion heat value: JELMO®-SHIP = 15,77kJ/g; JELMO®-SHIP LIGHT = 14,89 kJ/g
- fire behavior tested according to SOLAS/IMO Res. A 653 (16) + Res. MSC 61 (67) Annex 1, Part 5 (MED approvals available)
- tested for smoke density and toxicity
- water-resistant with melamine/phenolic resin acc. EN 314-2 class 3 glued
- JELMO®-SHIP has better weather resistance than comparable poplar plywood/MDF-plates

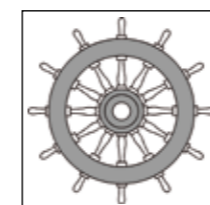


CONSTRUCTIVE VARIATIONS

- uncoated or with factory coatings, e.g. with aluminum sheets, HPL/CPL, real wood veneers, aquastop, textiles, foils, primer films
- ready to assemble according to customer drawings and part lists
- sandwich constructions with internal thermo-ductile synthetic mat or acoustic cork achieve sound insulation values between R_w 28 and 45 dB acc. DIN EN ISO 10 140-2

For customers on-side processing, we refer explicitly to our recommendation for handling and processing.

This brochure as well as detailed technical data sheets can be found in the download area of our homepage at www.rudolf-rost.de.



Steering Wheel Approval

We are certified according to EN ISO 9001 and possess the adhesive approval according to DIN 6701-2.

MED-approved shipbuilding materials are TÜV-certified and audited.

