



JELMO®-SHIP FLEX

the bending plywood panel

Product description

JELMO® is a light, fire resistant Ceiba plywood with great bending properties and flexibility.

Composition

The plywood consists of 3 to 5 thin veneers. Its fire resistance is achieved by impregnating the veneers with special salts.

Quality

JELMO®-TRAIN FLEX is laminated according to EN314-2 Class 3 and is therefore bonded „water resistant“.

Processing

The manufacturing and processing can be performed on common wood processing machines with a suitable ventilation and suction system. More details can be found in our „JELMO® Recommendation for Handling and Processing“.

Areas of application / References

JELMO®-TRAIN FLEX offers a wide range of applications due to its flexibility, making it ideal for use as a molded part, in staircases and in other modern concepts with extravagant designs.

Stock and transport regulations

More detailed information can be found in a separated document entitled „Regulations for storage and internal transports“.

Remarks

The specific properties of the project and conditions of application have to be personally checked by the client before using this product. The material parameters listed here are determined by standard specifications and are to be understood as a guideline, but not as guaranteed values. The customer is fully responsible for the suitability and the properties of our product under the specific conditions of implementation chosen by the customer.

technical data

material

top layers	Ceiba
inner layers	Ceiba

dimensions

thickness [mm]	3/5/7/8/9/12/16	
thickness tolerance, max. [mm]	+/- 0.5	
length, max. [mm]	<u>longitudinally veneered</u>	<u>cross-veneered</u>
	2500	1220
width, max. [mm]	<u>longitudinally veneered</u>	<u>cross-veneered</u>
	1220	2500

material properties

Young's modulus [N/mm ²] for 8 mm	<u>longitudinal</u>	<u>transverse</u>
	5620	130
thermal resistivity R [m ² K/W] for 16 mm	0.11 (calculated)	
heat conductivity λ [W/mK]	approx. 0.15	
density [kg/m ³]	approx. 450	

further information

odor determination VDA 270	2.8
bonding EN 314-2	Class 3
Certification	Type Examination Module B IMO FTPC Part 5 / Part 2 Regulation Item No MED/3.18a QS-Certificate Module E based on 2014/90/EU – in conjunction with (EU) 2025/1533

