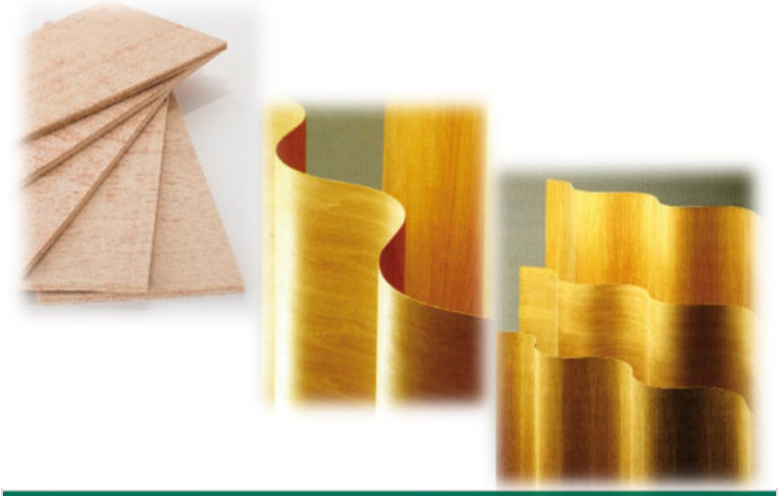
Technical Product Information



JELMO®-TRAIN 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]	longitudinally veneered 2500	cross-veneered 1220
width, max. [mm]	longitudinally veneered 1220	cross-veneered 2500
material properties		
Young’s modulus [N/mm^2] *for 8 mm*	longitudinal 5620	transverse 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	
fire protection class NF 16-101 / UNE 23527 DIN 5510-2 EN45545-2 EN 13501-1	fire resistant M1 S4 SR2 ST2, FED < 1,0 R1:HL2 B s1; d0	