Technical Product Information

JELMO®-TRAIN LIGHT

the universal and lightweight plywood panel

Product description
JELMO®-TRAIN LIGHT is a lightweight, fire resistant Ceiba plywood.

Composition
The plywood consists of several thin, cross laminated veneer layers. Its fire resistance is achieved by impregnating the veneers with special salts.

Quality
JELMO®-TRAIN LIGHT 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. The plywood can be finished with a decorative top layer or can be given a coat of painting. More details can be found in our “JELMO® Recommendation for Handling and Processing”.

Areas of application / References
In practice JELMO® has been successfully used as flooring element, wall and ceiling paneling, partitioning wall, built-in closet and furniture. It is also extremely well suited for upholstery.

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]		6/8/10/12/15/18/20/ 22/25/28/30	
thickness tolerance, max. [mm]		+/- 0.5	
length, max. [mm]		3100 (trimmed)	
width, max. [mm]		1830 (trimmed)	
material properties			
thickness [mm]	no. of veneer layers	flexural strength long. [N/mm²]	Young’s modulus long. [N/mm²]
15	7	30	3,800
20	9	35	4,300
25	13	38	4,850
30	15	35	4,800
thermal resistivity R [m²K/W] *for 15 mm*		0.11 (calculated)	
heat conductivity λ [W/mK]		approx. 0.15	
density [kg/m³]		approx. 450	
further information			
surface quality		BB/BB (sanded)	
odor determination *VDA 270*		3.6	
bonding *EN 314-2*		Class 3	
fire protection class NF 16-101 / UNE 23527 DIN 5510-2 EN45545-2 GOST 12.1.044-89, Article 4.19		fire resistant M1 S4 SR2 ST2, FED < 1.0 R1/R7/R6: HL2/HL3 low spread of flame	