



## JELMO®-TRAIN

*the universal plywood panel*

### Product description

JELMO® is a fire resistant Okoumé 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® 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		Okoumé	
inner layers		Okoumé	
dimensions			
thickness [mm]		1.8/2.2/4/6/8/10/12/15/18/20/22/25/30	
thickness tolerance, max. [mm]		+/- 0.5	
length, max. [mm]		2750 (trimmed)	
width, max. [mm]		1220 (trimmed)	
material properties			
<u>thickness</u> [mm]	<u>no. of veneer</u> <u>layers</u>	<u>flexural</u> <u>strength long.</u> [N/mm <sup>2</sup> ]	<u>Young's</u> <u>modulus long.</u> [N/mm <sup>2</sup> ]
15	7	25	6,000
20	9	25	6,000
25	13	20	5,000
30	15	20	5,000
thermal resistivity R [m <sup>2</sup> K/W] for 15 mm		0.11 (calculated)	
heat conductivity λ [W/mK]		approx. 0.15	
density [kg/m <sup>3</sup> ]		approx. 550	
further information			
surface quality		BB/BB (sanded)	
odor determination VDA 270		3.3	
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	