

JELMO[®]-TRAIN

FIRE RESISTANT PLYWOOD



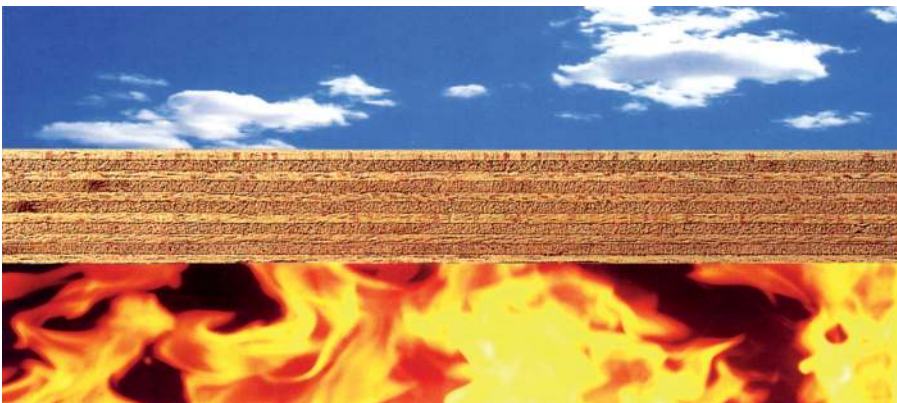
JELMO®-TRAIN

FIRE RESISTANT PLYWOOD

JELMO®-TRAIN is a lightweight Okoumé plywood especially developed for wagon constructions, whose flame resistance is achieved by impregnating the veneers with special salts. JELMO®-TRAIN guarantees (depending on material thickness and coating) a burning time of about 30 minutes acc. to EN 45 545-3 EI 15 and fulfills a bulkhead function. Ceiba plywood is used in the JELMO®-TRAIN LIGHT and the JELMO®-FLEX version and this achieves a weight saving of up to 45% in comparison to conventional plywood. All three versions of JELMO®-TRAIN 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®-TRAIN = 15,77kJ/g; JELMO®-TRAIN LIGHT= 14,89 kJ/g
- fire behavior tested according to EN 45 545-2, EN 13501-2007, DIN 5510-2 and GOST-Norm 12.1.044-89, as well as further examinations in European countries.
- tested for smoke density and toxicity
- water-resistant with melamine/phenolic resin acc. EN 314-2 class 3 glued

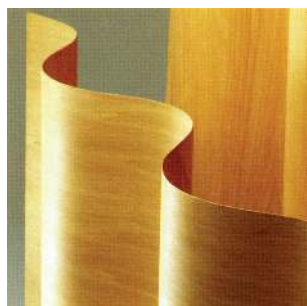




CONSTRUCTIVE VARIATIONS

- 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 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.



We are certified in accordance with EN ISO 9001 and Q1 supplier of Deutsche Bahn AG. We have the adhesive approval according to DIN 6701-2.



REFERENCES

Alstom

Bombardier Transportation

Deutsche Bahn

Österreichische Bundesbahnen

Schweizerische Bundesbahnen

Siemens

Stadler



Talent



ICE



Tram Rotterdam



Doubledeck trains



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