



JELMO®-SHIP, JELMO®-SHIP LIGHT and JELMO®-SHIP FLEX JELMO®-TRAIN, JELMO®-TRAIN LIGHT and JELMO®-TRAIN FLEX

Protection against moisture

JELMO®-SHIP, JELMO®-SHIP LIGHT, JELMO®-SHIP FLEX, JELMO®-TRAIN, JELMO®-TRAIN LIGHT and JELMO®-TRAIN FLEX are classified as AW 100 according to DIN 68705 / EN 314 – waterproof glued. In order to maintain the high content of impregnation and the strength of the wood fibers in the long term, the penetration of moisture should be avoided and unprotected plates are not to be exposed to a humid climate. This also applies to the storage before and during processing, as from approx. 65% relative humidity an increased moisture absorption on the plate surface starts due to the impregnation salts.

Veneering

In the case of veneering a maximum gluing temperature of 80°C should not be exceeded. Otherwise the salts of the impregnating agents may leak out and evaporating gases may form with the formaldehyde of the glue phosphoric acid. Phosphoric acid has a strong influence on the coloration of many types of wood, especially in heat and high humidity. In particular, veneers containing tannins (e.g. acacia, oak, chestnut and cherry) react very sensitively to phosphoric acid and are easily discolored. If these types of wood are to be used, a barrier layer (e.g. laminate) must be placed between the plate surface and the veneer. Even when veneering with other types of wood, a barrier can be useful as a safety measure. In any case, the use of a special glue with appropriate gluing technique is necessary. After veneering the plates should be cooled as quickly as possible. In order to achieve good air circulation, the plates must be stacked with intermediate strips.

Paints and Varnishes

When selecting paints, varnishes and other surface treatments, it is to be checked whether the intended medium is suitable for this particular type of plate.

Non-committal glueing recommendation

In general, we recommend using a 2 component PUR adhesive (e.g. Weiss Chemie). Customers have also used the following systems:

Surfaces: RAKOLL Duplit AL, Press Time 150 Seconds, Press Temperature: 60°C

Edges: DORUS KS 217 natur, Processing Temperature: 180°C – 200°C

Parquet Adhesives:

- a. WAKOL, PU 225 (2 component - PUR Glue)
- b. THEODOR FREESE, Tefroka® PU-1-L (2 component - PUR Glue) or Tefroka® EP Coating (2 component - PUR Glue)

All information is based on experiences that are to be understood as a non-committal working basis. Individual local conditions have to be taken into account. It is not possible to take over a guarantee for successful processing. Before using the product, the project-specific properties and conditions of use have to be checked by the customer. The customer is fully responsible for the suitability and characteristics of our product under the conditions of use chosen by the customer.