

VENEERING OF RAW RECONSTITUTED WOOD ON TNT UNDERLAYER

BOIS BRUTS

hubler
la matière pour la création

COMPOSITION

VENEER	These are sheets whose surface consists of reconstituted wood veneer and spliced (with glued joints).
UNDERLAY	These veneers are then plated on a TNT sub-layer (non-woven fabric) in a confidential process. The resins and the technique used to prevent any rise of moisture or solvents during the subsequent plating operations (gluing the back of the panels and plating onto the substrate by the user).
COMPOSITION	Reconstituted wood veneers (Legnotech®) are natural wood veneers worked using a highly sophisticated technique. The first operation consists of unrolling top-quality clear wood (poplar, ayous, etc.), depending on the structures of the references you wish to obtain. Once these woods are unrolled, the veneers are massified with a constant width to form a block. Most veneers are then decolorized to give them a uniform base colour. The dyeing of veneers is carried out with dyes in aqueous solution. The veneers are then stacked and glued under high pressure to form a block whose shapes are given by a mould incorporated in the press. Each block reproduces the desired wood species with homogeneity of color and structure. The sheets (Legnotech®) may possibly have pimples, small knots, small cracks, small slots, etc., inherent in the manufacturing process and which cannot be considered anomalies. The traditional slicing then takes place and, depending on its inclination, the desired structure is obtained (thread, stem, etc...).

STANDARD DIMENSIONS

FORMATS: 250 x 125 cm and 305 x 125 cm (see price for availability of the Hubler offer)
N.B.: the first dimension gives the direction of the wood grain. Possibility to make a sheet with the so-called "travers" wood grain.
Override: Possibility to adapt other formatsdontleformatporte.

THICKNESS: about 5.5/10 mm (variable depending on species).
N.B.: approximate dimensions (wood veneers).

ESTIMATED WEIGHT: 0.5kg/m 2

EQUIPMENT

Despite the industrial process providing homogeneity by batch production, it is advisable to check and match all sheets before their implementation.

Each sheet is identified with its product reference and manufacturing date.

Between different production batches, any variations in structure and/or color cannot be considered as a non-conformity.

Please consult us if you wish to be delivered in the same batch for your projects.
No claim can be taken into account once the debit and/or pressing has been carried out.

TECHNICAL CARACTERISTIC

BENDING	Concave or convex possible in cold conditions with a radius of curvature that varies depending on the species and the direction of bending (on average about 5 cm in the longitudinal direction and 12 cm in the transverse direction, to be checked on a case-by-case basis).
POST-FORMING	Our sheets are not post-formable quality
VARIATIONS DIMENSIONNELLES	Given their composition and manufacturing techniques, these sheets are relatively sensitive to temperature and humidity conditions. As a result, they may have some ripples. Dimensional variations Longitudinal: 0.4% Cross-sectional: 1.2%
EMISSION OF FORMALDEHYDE	Feuille classée sous étiquette COV A+
ENVIRONMENTAL CERTIFICATION	Les Legnoflex® peuvent être certifiés FSC® sur demande (licence FSC® -C201649).
FIRE RESTISTANCE	Products with a thickness of less than 2 mm are not covered by the Euroclasses standards (see Standard EN 438-7). Our Legnoflex® sheets alone do not have a flame-retardant treatment on the TNT underlayer.
LIGHT RESISTANCE	Given their nature, the regular or irregular aging of veneers is strongly influenced by the colors and finishes produced by the user, regardless of the need for solar and lunar light protection of the panels thus finished

STORAGE

Before gluing and to avoid moisture pick-ups and deformations, the sheets must be stored and packaged for several days in a closed, dry room at the same time as the supports and balancing.
The conditions to be met are:

TEMPERATURE: 18 to 25° C.
RELATIVE AIR HUMIDITY: 40 to 60%.

The leaves must be laid flat, never directly on the ground, in piles or in lockers. The decorative sides are face to face, the last sheet is placed back in the air and covered for hand- hold flat. In an atmosphere that is too humid, the leaves of Hubler®'s legnoflex may curl. Protect these leaves from solar and lunar radiation.

IMPLEMENTATION

Generally speaking, these sheets are worked and laid in the same way, with the same tools and glues and on the same supports as laminates, apart from the following requirements:

SUPPORT	Use clean and porous media with good flatness (properly calibrated). However, thanks to the low density of its underlayer, the Legnoflex sheet from Hubler® makes it possible to compensate for some irregularities in the surface of the supports used.
PROTECTION	Any writing with a marker or pen could damage the veneer. During the transformation phase in the workshop, it is advisable to always protect the veneer surfaces exposed to lunar and solar rays to avoid discoloration. Do not leave accessories on the veneers to avoid marking the wood.
BALENCING	To counterbalance the panels, do not use conventional decorative laminates because the coefficients of expansion are different. Use the balancing recommended by Hubler (see Hubler rate).
FINISH	• Prior sanding of the veneer sheet is recommended before any finishing. Surface and edge plating: possible with natural or synthetic products. • For water-based shades, it is recommended to carry out this operation after stabilization (glue drying). NOTE: Since the thickness of the surface veneer is reduced due to the desired flexibility, the user must be careful not to catch the hole as a result of excessive sanding before finishing. • When using highly solvated products, care must be taken to ensure proper dispersion of the solvents (in order to avoid subsequent cracking after drying)

COLLAGE

Vinyl bonding or white glue type PVAC D3 under hot press: pressure 3 kg/cm 2, maximum temperature 60 to 70° C and a pressing time of 1mn30 are recommended
• Cold pressing: press time of at least 20 to 30 minutes.

Bonding by neoprene-type glue (with solvents): precautions are required for implementation, referring to the glue manufacturer's instructions and checking the compatibility of finishing varnishes (PU with solvent) to avoid any deterioration in the veneer. Neoprene glue stains must be removed immediately without using solvents.

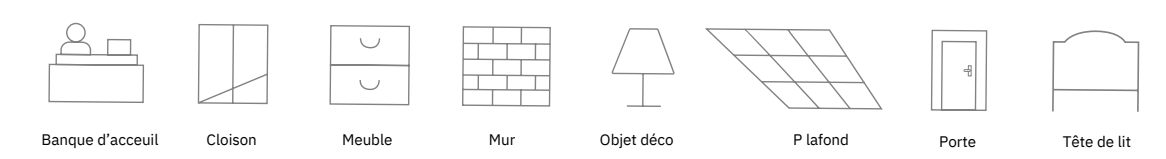
GLUING AND DRYING THE GLUE: To be carried out at the same time and homogeneously over 100% of the surface of the supports and back of the Legnoflex ® d'Hubler sheets. Wait for the total evaporation of the solvents and the drying of the glue before applying the sheet on its support (in this regard, respect the prescribed open times).

MANUAL PRESSING (MAROUFLAGE): Always apply the Hubler's Legnofle ® sheet to its backing from the middle to the sides. The masking must be done with regular pressure in both directions and over the entire surface to gradually push the air towards the sides (on which the pressure must be further increased). This operation must be carried out with the full weight of the body (and renewed after fully contacting the Legnoflex® sheet from Hubler and the support) using a very hard rubber-coated feeder roller with two handles.

VERIFICATION AND POSSIBLE PROBLEMS AFTER BONDING AND BEFORE APPLICATION: Once the Legnoflex® sheet of Hubler is glued, check that there are no improvements related to bonding, using grazing light. The presence of blisters in places is due to a lack of glue, insufficient drying of the latter (which can also lead to cracks in the veneer) or even insufficient pressure during bonding (pressure is essential to obtain a satisfactory bond). In this case, try to reactivate the glue using an iron (with low pressure and insulation of the veneer surface by a piece of textile of sufficient thickness), taking care to avoid too much heat that could discolour the wood. After this operation, carry out a new marouflage of the zone(s) concerned.

USE

Many uses in vertical and horizontal interior layout (precautions to be taken in case of heavy loads).
Avoid humid atmospheres except with suitable bonding and support.
No outdoor use.



MAINTENANCE

The reconstituted wood Legnoflex® must always be covered with a protective finish and cannot be used as is.

WARRANTY

HUBLER guarantees the intrinsic quality of the leaves it markets as possessing the characteristics defined in this document. It is specified that irregularities or imperfections in the surface are to be considered normal and do not constitute a defect of the products due to the use of natural wood as decoration of the leaves.

In view of the use of veneers, these sheets, if subjected to too high heat or a too dry atmosphere, may present cracks which, if necessary, would not constitute a defect of the products. Leaves behave like all woods and discoloration (regular or irregular) from excessive exposure to sunlight or lunar light cannot be considered a defect of the material.

In the event of a dispute, HUBLER's warranty and liability would be limited to the free supply of sheets that are not assembled as replacement for those deemed defective, the implementation and destination of the products are otherwise beyond its control. Technicians are available to assist customers in the event of specific technical problems.