

TECHNICAL DATA SHEET

NATURAL-DYED WOOD VENEER WITH THREEDIMENSIONAL PATTERN

Version: 07

Date: 20/03/2018

1. PRODUCT IDENTIFICATION

Material name: Tabu Frozen – GY.007
Natural wood veneer dyed through all its thickness (UNI 10578, UNI 10651)
Pressed to obtain a threedimensional pattern

Family: Aceraceae

Scientific name: Acer nigrum / Acer saccharinum

Provenience: North America

Producer: TABU S.p.A.

2. TECHNICAL CHARACTERISTICS

Thickness: veneer 1,0/1,1 mm nominal value

Dimensions: Length: 2500 mm
Width: 1250 mm

Cut: not available

Density: not available

Flexibility: not available

Bending strength: not available

Compressive strength: not available

Humidity content: < 16%

Being the product composed of wood, it is subjected to a great number of variation as concerning its humidity level in relation to the environment in which it is carried, manipulated and stored.



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Light Resistance: since the TABU veneer is not a finished product, the light resistance on the veneer itself depends on the type of finishing that will be applied (chemical type and quantity). For this reason, it is suggested to do some prior tests with different types of finishing so as to optimize the performances of the product.

Mechanical characteristics: the mechanical features of the natural dyed wood veneer are highly dependent on the type of support used, on the way of plating, on the cycle and on the chemical nature of the varnishing cycle. For this reason, it is suggested to do some prior tests depending on the kind of usage so as to optimize the performances.

Aesthetic characteristics: wood veneers present a variability in the structure, due to particular features that are peculiar of the each single tree. As concerning the color too, there could be a variability of the same compared to the color of reference. Moreover, the color of the final products is influenced by the cycle and by the chemical structure of the goods that are used for the varnishing process.

3. STORAGE

Since its hydrophilic characteristics, the wood is consequently subjected to a variation of its humidity content in relation to the environment in which it is carried, manipulated and stored; it is suggested to keep it in an environment with a humidity relative rate that varies from 40% to 60% and with temperature between 15°C and 25°C. Any contact with water or other liquids must be avoided. The product must be stored at, at least, 20 cm up from the ground. The exposition to the light must be avoided even though it is indirect.

If these indications will not be followed, significant variations of tension or color of the material may occur.

4. APPLICATION FIELD

The TABU natural dyed veneer could be glued on a stable support (MDF, clipboard and multi-layer panel). It could be also used for the realization of plywood, curved products, boards, solid wood, etc.

5. HOW TO USE

Plating

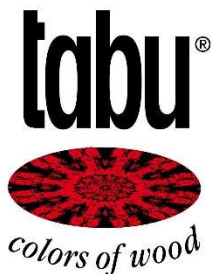
In the plating process of the material, it is advisable to verify if the type of support and the resins are suitable for the gluing of the product. It is suggest to follow these instructions to apply the 1,0/1,1 mm sheets onto a supporting board (MDF, chipboard, plywood etc.):

1. Pressure between 1,5 and 2 Kg/cm² both cold and hot pressing
2. A vinyl or polyurethane glue must fit to a wood veneer. Consult the Technical data sheets of each manufacturer in which the pressing times, temperatures and dosages are specified.
3. A silicon buffer – of 2/3 mm – may be use between the press and the panel. It will facilitate the bonding of the board with the veneer and prevent the possible crushing of the veneer pattern.

All Groovy structured designs are particularly depth, this is the reason why the subsequent pressing require the utmost attention and expertise. For this reason, some preliminary tests of gluing are recommended.

Moreover, Tabu is available to provide the necessary technical assistance or the same texture already pressed on a panel with a total thickness of 4 mm.





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Sanding

Sheets are pre-sanded but it is suggest to sand with abrasive papers with the purpose to eliminate any trace of glue on the surface. This operation could be carried out with manual or automatic machineries using abrasive papers with 240-320 grain; they could be used individually or in sequence. Each wood specie has a different level of rigidity; as a consequence, it is necessary to regulate the settings of the machineries as to obtain a suitable level of sanding.

Varnishing

The varnishing process that will be adopted has the purpose of protecting and preventing the material from degradation phenomena of chemical-physical and mechanical nature.

The natural dyed wood veneer could be varnished with any type of varnishing both transparent and colored. In any case, it is advisable to prepare varnishing cycles that will allow an high protection from the UV rays and that will delay the natural yellowing of the veneer.

As concerning water-varnishes, it is recommended to use only stable products with PH moderately acidic (4-7). The natural dyed veneer could be dyed without problems; the process of dyeing is recommended. It is best practice to strictly follow the indications given by the manufacturing industries who produce varnish and to do some prior tests before proceeding with the dyeing process.

Given the depth of the textures, a lacquer of the type self-sealer or multiple coat can be easier to use.

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Moreover, Tabu is available to provide the necessary technical assistance or the same texture already varnish.

Installation

Both natural dyed raw veneer and finished veneers are delicate and light sensitive. It is good practice to protect it during installation, for example with protective films, in order to avoid any scratches, marks or discolorations that may occur due to the effects of light and to maintain the original aspect.

4. PACKAGING INFORMATION

The label on the packaging has the name of the producer and the product code.

***N.B.** This product must be stored, handled and used according to the regulation of best industrial practice and in conformity to the laws in force, based on the culture and on the commitment for the safeguard of the environment. All the information above are based on our knowledge and experiences, so they are to be considered as non-binding. It is up to the operator to ascertain their validity depending on his experiences, on the technological cycles that are used and on the final result. As a consequence, the application of our products must be adjusted to particular working conditions and to the use of other materials.*

For further requests, it is recommended to contact our offices.

