

L T LEWIS & CO

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Delignit Sustainable Forestry

Timber Importing Company
specialising in Beech Plywood
Panels, Plinths & Components



L T Lewis is a third generation family run timber-importing company specialising in beech plywood panels and beech plywood components. We are Sole agents to Blomberger Holzindustrie, manufacturers of their trademark DELIGNIT® products.

Blomberger Holzindustrie was the first recorded manufacturer of beech plywood and is recognised world-wide as the leading manufacturer of beech based speciality plywood.

DELIGNIT® is a registered product name; well known in the trade as being synonymous with multi-laminated, wood based materials of highest quality. It symbolises how the traditional material WOOD can be converted to modern, multi-usable materials with unusual characteristics. This is accomplished in a perfected manufacturing process, as well as through skilful combination of wood, plastics and sometimes even metals.

The special DELIGNIT quality, trusted by our customers for guaranteeing maintenance of highest quality standard. It receives total commitment not only for reasons of tradition, but – most importantly – because we strive to achieve maximum possible customer satisfaction. This philosophy has spawned the proven world-wide DELIGNIT® success.

All DELIGNIT® panels have the advantage of being beech and therefore being highly machinable. The specie is renowned and favoured for its capacity of not feathering and crumbling. All DELIGNIT® panels have remarkable screw holding properties. The compressed wood range (Panzerholz B.15 and B.25) can be drilled and tapped with astonishing strength.

BEECH MULTIPLEX PLYWOOD TYPE MU25

Delignit® Beech Plywood Panels have greater mechanical strength and increased hardness compared to ordinary plywood. The benefits of using MU25 are obtained where ordinary plywood fails.

The strength to weight ratio of MU25 is so much greater than that of ordinary plywood that weight saving can be achieved.



Sizes

- 2150 mm x 1220 mm
- 2500 mm x 1500 mm

Thicknesses from

- 15mm to 80mm



FINEPLY

Panels of thickness 0.4mm – 6.0mm used for the building up or for their strength. 9 ply construction of 6.0mm thickness, for example, gives a rigidity to a thickness that achieves astonishing strength.

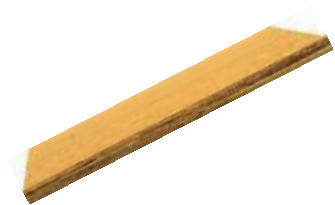
Sizes

- 1220 mm x 1220 mm

Thicknesses from

- 0.4mm to 6.0mm

TYPE F1



FIRE RESISTANT COMPACT WOOD TYPE FRCW

Delignit® FRCW is a unique fire resistant hardwood plywood of high strength produced from European beech veneers which have been impregnated with a special combination of highly effective fire-retarding chemicals prior to bonding thus providing uniform treatment and fire retardant characteristics not only on the surfaces but to the very core of each panel. There is no similarity to ordinary treated plywood.

Sizes

- 1220 mm x 2500 mm

Thicknesses from

- 6mm to 45mm

Rating

1. Class A(The highest Class)
2. Class 1(The highest Class)

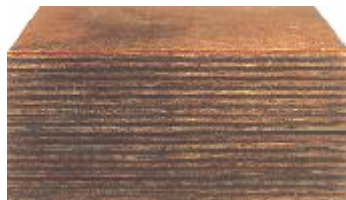


Building Regulations 1976 Internal Surface Class DELIGNIT® FRCW satisfies the requirements of Class O surface of flame (the highest class) for walls and ceilings under the Building Regulations 1976, Clause E15 (1) (e) (ii) having an index of performance (1) of 8.6P when tested to BS476: Parts 5 and 6: 1968(FROSI 6102 February 1975). In addition DELIGNIT® FRCW achieves Class 1 as required by the amendments to the Building Regulations proposed by DOE.

Surface spread of flame DELIGNIT® FRCW is classified as Class 1 when tested in accordance with BS476:Part 7:1973. When faced with a mahogany veneer or other veneers the Class 1 rating of DELIGNIT® FRCW is maintained.

PANZERHOLZ COMPRESSED WOOD TYPE B15 & B25

DELIGNIT® B15 is an extremely hard multilaminated material in sheet form. It is manufactured from beech veneers and synthetic resins under high pressure and heat. The resultant panel combines metal like hardness and mechanical strength with the advantages of easy workability, low weight and low cost.



Type B15

Sizes

- B15 2130 mm x 1000 mm
- B25 1220 mm x 1220 mm

Thicknesses from

- B15 4 mm to 100 mm
- B25 4 mm to 100 mm



Type B25

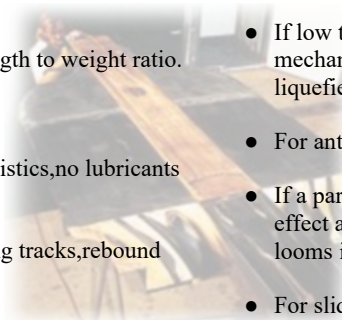
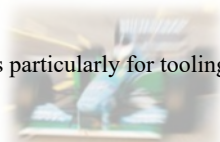
Signifies shiny film finish

Characteristic Properties

- Easy Workability means savings in time and wages.
- Low weight factor (density of standard grades approx. $1.35 - 1.4 \text{ g/cm}^3 = 84\text{-}87 \text{ lbs/cu.ft.}$).
- High mechanical strength, hardness, and wear resistance.
- Particularly favourable strength to weight ratio.
- Low thermal conductivity.
- Favourable sliding characteristics, no lubricants required.
- Sound deadening with sliding tracks, rebound surfaces, etc.
- Corrosion proof and resistant to many chemicals.
- Usable at ambient temperatures from -196 to approx. $+95$ degrees C (-320 to $+203$ degrees F)

Applications

- Alternative to metals particularly for tooling, jigs, and moulds.
- Other applications –
- If low electrical conductivity is required, such as for transformer parts.
- If low thermal conductivity and high mechanical strength are required, such as for liquefied gas tank supports.
- For antimagnetic parts.
- If a particular elasticity as well as cushioning effect are required, as with picker sticks for looms in the textile industry.
- For sliding surfaces not requiring lubrication.
- For shielding from neutrons in nuclear research (specific values available on request).
- For non listed applications, please contact us for further details .



PATTERN MAKING WOOD

Pattern Making Wood is a beech plywood panel with minimum imperfections in its core enabling machining into the panel without encountering gaps or veneer overlap

Sizes

- 2150 mm x 1220 mm

Thickness from

- 18 mm to 80 mm
- 1.6 mm veneers

TYPE PMW



VEHICLE FLOOR PANELS

The hardness of beech combined with the extra compression in the DELIGNIT® manufacturing process produces a panel ideal for vehicle floors. Tests have proven panels compensate for their extra cost by achieving longevity in working life that justifies the original outlay, the avoidance of down time is a bonus.

Sizes

- RO 1500 mm x 2500 mm
- TTB 1500 mm x 2500 mm

Thicknesses from

- RO 8mm to 40mm
- TTB 8mm to 60mm

TYPE RO & TTB



Type RO

Signifies the non slip finish on the panels



Type TTB

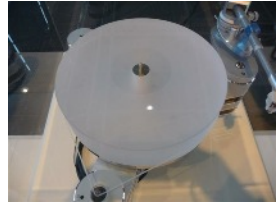
Signifies shiny film finish

SPECIAL PANELS

Special panels can be manufactured combining the characteristics of Delignit panels with other materials. For instance, sound resistant panels can be made in a construction with sound reducing materials sandwiched between two panels.



Fire resistant, insulating, metal clad panels and other panels can also be considered.



DELIGNIT PANELS FOR MUSICAL INSTRUMENTS

Delignit Pinblock Material has a reputation as the best wrest plank material available worldwide.

In addition to piano manufacturers we supply other musical instrument manufacturers such as drums, harps and harpsichords.



Sizes

- To customer's requirements

Thickness

1. To customer's requirements



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