



LUMIN



THE SUSTAINABLE PLYWOOD FOR CONSTRUCTION



Lumin™ is a sustainable plywood made from plantation-grown pine and eucalyptus trees in Uruguay.

Lumin is lightweight, flat and structurally strong. Available in six grades with a pine or eucalyptus face, it's an ideal choice for specifiers, builders and manufacturers looking for an environmentally friendly product, that is structurally certified, with a beautiful appearance. PEFC and CE2+ Certified.

Using a combination of Eucalyptus and Pine trees, Lumin offers Lumin plywood in proprietary and standard grades — all with high-quality aesthetics, excellent performance and meeting all international standards/regulatory requirements for the markets that we trade in.

Lumin is an ideal solution for everything from construction and cabinetry to transportation and toys. Available in six grades and two species in 12mm, 15mm, and 18mm.

Where is Lumin produced?

Located outside the small town of Tacuarembó in the north central region of Uruguay, the Uruply S.A. plywood mill operates in a diverse landscape of forest, agriculture, and grazing lands. The mill also includes a biomass energy plant and seedling nursery, and has twice been recognized as "Projects of National Interest" in Uruguay.

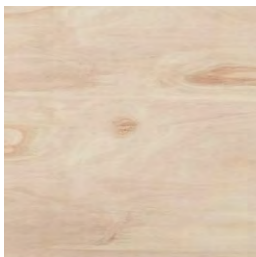
Sustainability

Lumin processes 500,000 tons of wood a year and uses virtually 100% of each log. The logs are processed into veneers to make plywood panels and wood residuals are then converted into fuel for the conditioning and drying processes. This is all completed on a sustainable basis that includes planting millions of seedlings a year - always planting more than are harvested.

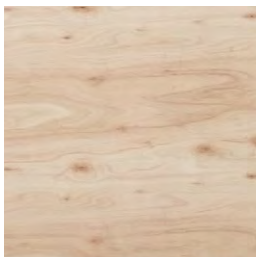
This approach allows us to meet a worldwide demand for plywood using highly productive forestland, while retaining more carbon than previous land uses. Lumin is a product based on more than 100 years of forestry expertise.

Learn more about our sustainability story on www.LUMIN.com

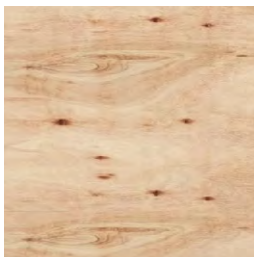
Eucalyptus (hardwood) faced panel



TRP
(12mm,15mm,18mm)



CCX PTS
(12mm,15mm,18mm)

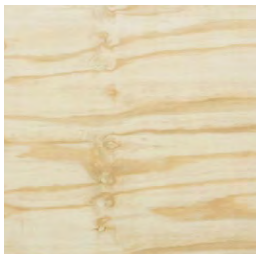


CDX
(12mm,15mm,18mm)

Pine faced panel



BCX
(12mm,15mm,18mm)



CCX PTS
(12mm,15mm,18mm)



CDX
(12mm,15mm,18mm)

All panels are 1220mm x 2440mm | Images shown are for illustration purposes only

GRADE	MAIN PRODUCT FEATURES
TRP	Clear "B" Eucalyptus face. 120 grit sanded. Back is 100 grit sanded, allowing limited open defects and knot holes up to 38mm. TRP is an excellent substitute for tropical plywood in most applications. TRP faces are >3mm thick, whereas most faces of "tropical" plywood have faces of less than 0.5mm.
BCX	Clear "B" Pine face with minor repairs. 150 grit sanded. C grade back, 100 grit sanded.
CCX PTS	Repaired "C" Pine or Eucalyptus face 120 grit sanded. C grade unrepaired back, 80 grit sanded.
CDX	Pine or Eucalyptus face "C" grade unsanded and unrepaired. Back "D" face.

Note: Grading standards in line with PS 109.

Why specify Lumin?

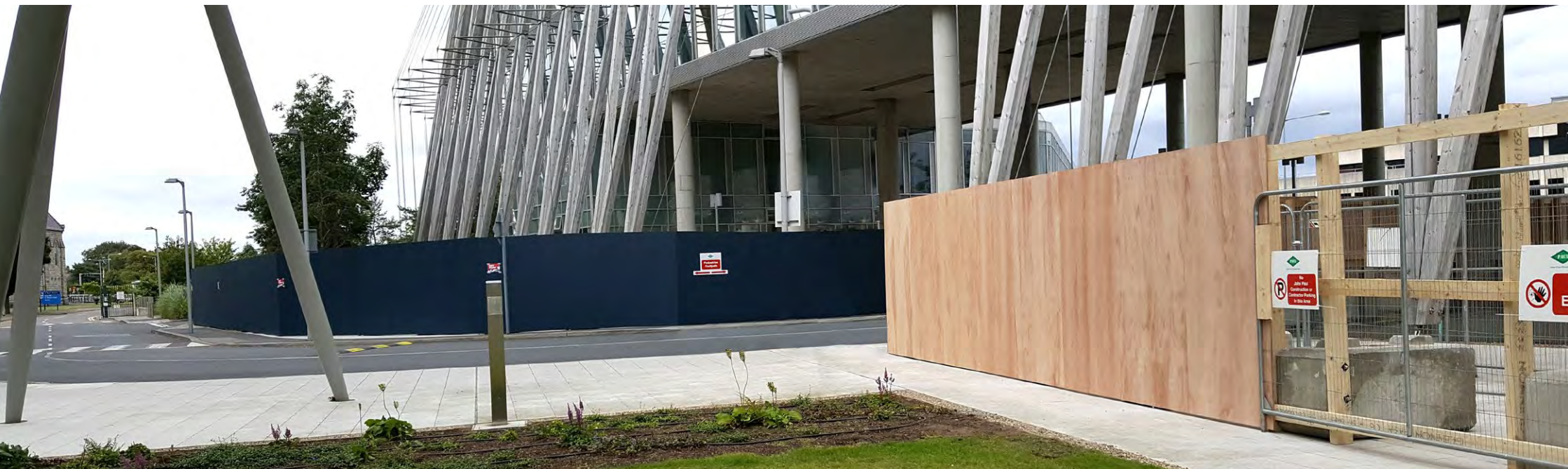
- Lumin plywood manufactured using logs grown on sustainable plantations
- PEFC and CE2+ Certified
- Structurally tested for a wide range of construction applications
- Range of grades to suit performance and aesthetic requirements
- Supplied through a network of carefully chosen partners
- Underpinned by the Lumin brand and values
- EUTR Compliant
- CARB Exempt

Specifying Lumin gives peace of mind when it comes to building regulation and sustainable compliance.



With Lumin plywood you can be assured that the product selected (regardless of grade) meets the attestation of conformity level 2 (referred to as CE2+) and complies with:

- Structurally Certified – CE2+ audited by Exova BMTrada
- EN 636-2 (Structural, humid conditions). Achieves EN 636-3 with a suitable coating and edge sealing
- EN 314-2 – Bonding Class 3 (exterior)
- Formaldehyde Class E1 (and CARB Exempt)
- PEFC Certification and Chain of Custody
- Phenolic adhesive: phenol formaldehyde, which provides maximum exterior resistance
- Panel moisture: between 6 and 10% (stabilized)
- High quality repairs to defects with wooden patches, putty and acrylic paste
- EUTR Compliant
- Meets phytosanitary requirements of ISPM 15 for export



Lumin plywood is a highly versatile product thanks to its main features: light, strong, uniform, easy to handle, environmentally friendly. Applications include:

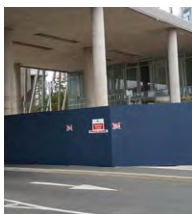


General Construction

Lumin is widely used in a wide variety of construction activities including:

- General site usage, site fencing/hoarding, floors, walls and roofs in home and industrial constructions, fascias and soffits, concrete shuttering panels, ready-to-paint surfaces for constructions, panels in concrete form work systems, floors subjected to heavy wear in various buildings and factories, scaffolding materials.

Suggested grades: CDX, CCX PTS, BCX, TRP



Surface Finishing

- Ideal surface where painting is required. Lumin panels can be used indoors and outdoors as long as it is protected with oil-type paints, enamels or varnishes.

Suggested grades: BCX, CCX PTS, TRP



Formwork/Shuttering

- The number of uses is directly related to the handling during formwork removal and the subsequent maintenance after each use.
- It is recommended to seal the edges and use a release agent. This helps to increase the durability of the panel, and facilitates the formwork removal.

Suggested grades: BCX, CCX PTS



Packaging / Transport

Made from a combination of Eucalyptus and Pine bonded with Phenol Formaldehyde resins, Lumin panels have excellent physical and mechanical resistance for packaging and transport applications. Lumin panels meet the phytosanitary requirements of ISPM 15 for export, as it is manufactured at high temperatures(>50C), enabling usage in packaging around the world. Specific applications include:

- Packaging boxes, and bespoke packaging applications.
- Floors, walls and roofs in transport vehicles.
- Container floors.
- Floors subjected to heavy wear in various buildings and factories.
- Scaffolding materials.

Suggested grades: CCX PTS, CDX, TRP



Joinery / Carpentry / Upholstered Furniture

The versatility of Lumin panels enables the designer and the carpenter/joiner to be creative, combining the beauty of the wood with the technical and structural qualities of the panels. Features include:

- Natural colour of wood, pine as well as eucalyptus. Eucalyptus panels make an ideal choice for designers who wish the appearance of an exotic wood.
- Allows for a wide variety of colours and finishes.
- Style and texture from rustic to contemporary.
- Reliable and environmentally sustainable supply.
- Structural use in furniture (e.g.: sofas) and appearance.

Suggested grades depending on use and required surface: TRP, BCX, CCX PTS, CDX



Proper Care of Lumin

Lumin panels should be stored in clean and dry areas, off the floor and under a roof, if possible. Standard packaging consists of a biodegradable plastic film, thereby allowing temporary exterior exposure.

Usage Comments

- It is advisable to acclimatize the panels to the environment where they will be used.
- Exposed panels, including edges, faces and cuts /holes on the panels should be sealed with an oil-type paint or varnish, in order to prevent moisture penetration.
- Keep the panels in use isolated from direct contact with water.

Technical Support

Extensive technical support available from a specialised team. Lumin has many decades of experience and success in wood products development.

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Lumin has market leading technical and environmental compliance in all markets.
Visit www.LUMIN.com.



For further information about the Lumin range
please contact your nearest Falcon Panel Products Depot



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CTH A Consolidated Timber Holdings Group Company