Riga Wood
Latvijas Finieris Group

Riga HPL

Riga HPL is a birch throughout plywood, overlaid with CPL or HPL laminates on one or both faces, for decorative and/or heavy-duty applications.

Applications

Riga HPL birch plywood is a durable plywood for applications where high-wearing and decorative surfaces in a variety of colours and structures are required.

LIGHT BUILDING
Joinery, furniture & Shopfittings

HEAVY BUILDING
Formwork systems

ROAD TRANSPORT
Passenger cars
Light commercial vehicles

Major advantages

Decorative finishing with ready to use surface in a variety of designs and colours Special anti-fingerprint feature available for furniture Water and moisture resistant surface Highly scratch and shatter resistant High wear resistance and durable Surface is resistant to commonly used chemicals and surface impact, easy to clean for repeated uses Sustainable product with long life span

Further processing

Riga HPL can be further processed according to customer's specification with: cut-to-size, CNC, drilling, milling, jointing, edge machining, and assembling in sets.
For applications where insulation and acoustic performance are required, perforated and grooved acoustic panels are possible. More information available in the Acoustic panel leaflet.

Overlaying

CPL (continuous-pressure laminates) and HPL (high-pressure laminates) made of layers of kraft paper impregnated with resins (the core) and decorative melamine impregnated paper (the surface layer), manufactured under high pressure and temperature.

Surface properties

The CPL and HPL coating offers a highly durable, scratch resistant and decorative surface in different colours (uni, white, wood reproductions, material reproductions) and various surface structures. Standard CPL and HPL thickness 0.6 – 1 mm, protective foil is applied. Different surface properties can be achieved, depending on the CPL or HPL used. For more specific information, overlay material data sheets available on request.

Edge sealing

The edges are sealed upon request with special or transparent colour.

Panel sizes

1220 / 1250 mm x 2440 / 2500 / 2745 / 2750 / 3000 / 3050 / 3340 / 3660 mm

Other sizes may be available based on CPL / HPL formats.

Standard thicknesses

Plywood panel nominal thicknesses are 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40, 45, 50 mm.
To the indicated values, CPL or HPL thicknesses should be added.

Gluing classes

Riga Wood birch plywood is glued with weather and boil-proof phenol formaldehyde or lignin phenol formaldehyde resin adhesive according to EN 314/Class 3 Exterior.
Bonding with moisture resistant low emission melamine-urea-formaldehyde resin according to EN 314 / Class 1 and BS 1203 / H1 possible.
The overlays are bonded using a combination of melamine-urea-formaldehyde (MUF) adhesive with hardener intended for end-uses, where high water and weather resistance is needed.

Riga HPL

Tolerance

Nominal thickness, mm	6.5	9	12	15	18	21	24	27	30	35	40	45	50
Number of plies	5	7	9	11	13	15	17	19	21	25	29	32	35
Lower limit, mm	6.1	8.8	11.5	14.3	17.1	20	22.9	25.8	28.7	33.6	38.4	43.3	48.1
Upper limit, mm	6.9	9.5	12.5	15.3	18.1	20.9	23.7	26.8	29.9	35.4	41.2	46.4	51.5

To the indicated values, CPL or HPL thicknesses should be added.
Moisture content affects plywood dimensions; indicated sizes and thicknesses relate to a moisture content 9 ± 3%.

Parameter	Tolerance
Length, width (mm) < 1000	± 1 mm
Length, width (mm) – 1000..2000	± 2 mm
Length, width (mm) > 2000	± 3 mm
Squareness tolerance	± 1 mm/m
Edge straightness	± 1 mm/m

Size, squareness and thickness tolerances fulfil the requirements of EN 315.
Customised tolerances available on request.

Formaldehyde emission

Riga Wood birch plywood formaldehyde emission level is significantly below EN 13986 Class E1 and complies with EPA TSCA Title VI and CARB Phase 2.

Sustainability

We strongly believe that wood-based products in industrial use are a great option for carbon storage and a big part of the solution to achieve climate change mitigation. The key principles of sustainability and responsible governance are deeply rooted in our company's traditions and we aim to further develop our initiatives by actively engaging with stakeholders, material suppliers and clients.

Storage

Plywood must be stored in a well ventilated, weather protected area with the panels stacked both horizontally and level.

Additional information is available in the Riga Wood plywood handbook:
https://www.finieris.com/en/downloads/brochures