Riga Wood
Latvijas Finieris Group

Riga Decor

Riga Decor is a birch throughout plywood veneered on one or both faces with various noble wood surfaces for a decorative appearance, depending on customer requirements and intended use.

Applications

Riga Decor is designed for interior applications, where both functionality and decorative finishing are needed.

LIGHT BUILDING
Decorative wall & Ceiling linings
Joinery, furniture & Shopfittings

SEA TRANSPORT
Yachts & Boats

Major advantages

- Decorative appearance with a wide range of high-quality, noble wood surfaces
- Durable, smooth and ready to use surface
- Sound properties can be significantly improved using perforated and grooved panels
- Low volatile organic compounds (VOC), including formaldehyde emissions
- Very good screw holding properties, easily workable
- Sustainable product with long life span

Further processing

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

Veneering

Veneering is usually done with 0.55 mm thick unsanded rotary cut veneers (radial and tangent end type), as well as peeled veneers. Wide range of face and back veneers available: birch, beech, European ash, European oak and pine. Other species and customised thicknesses available on request. Veneer quality is selected according to the customer's requirements.

Grades for overlaying

BB/BB grade based Riga Ply veneered with slice veneer grading (A, B, C) based on customer request.

Surface properties

Surface is smooth and dense with a beautiful natural wood structure. Available both as uncoated or pre-finished with a clear lacquer.

Edge sealing

The exposed multi-ply edges provide a unique design element and can be sealed or lacquered upon request.

Panel sizes

- 2440 / 2500 / 3050 mm x 1220 / 1250 / 1500 / 1525 mm

Standard thicknesses

4, 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40, 45, 50 mm
To the indicated values, decorative veneer and/or balance paper (0.2 mm) 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 decorative veneer is bonded with a combination of melamine-urea-formaldehyde (MUF) adhesive and hardener intended for end-uses where water and weather resistance is required.

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.

Splicing techniques

Both sliced and peeled veneers of tangential/radial section may be used applying different jointing techniques. Standard jointing book match + 180°, custom layups available upon request.

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Tolerance

Dimensional and squareness tolerance

Nominal thickness, mm	4	6.5	9	12	15	18	21	24	27	30	35	40	45	50
Number of plies	3	5	7	9	11	13	15	17	19	21	25	29	32	35
Lower limit, mm	3.5	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	4.1	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

Moisture content affects plywood dimensions; indicated sizes and thicknesses relate to a moisture content 9 ± 3%.

Parameter	Tolerance
Length, width (mm) ≤ 500	± 0.5 mm
Length, width (mm) – 500..2000	± 1 mm
Length, width (mm) > 2001	± 2 mm
Max difference of diagonals ≤ 500	± 0.5 mm
Max difference of diagonals – 500..2000	± 1 mm
Max difference of diagonals > 2001	± 2 mm
Edge straightness	± 1 mm/m

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

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