RigaWood
Latvijas Finieris Group

Riga Ply

Riga Ply is a high-quality birch throughout plywood with both faces sanded and is designed for a wide range of applications, where the best strength properties are required.

Applications

Riga Ply is a high-strength, visually attractive and environmentally friendly panel for use in numerous industries. It can be used uncoated or as a base plywood for other Riga Wood products.

LIGHT BUILDING
Panels for overlaying
High-end flooring
Parquet
Joinery, furniture & Shopfittings
Decorative wall & Ceiling linings

ROAD TRANSPORT
Light comercial vehichles
Passenger cars

PACKAGING
Die boards
High-end packaging

Major advantages

- Excellent strength-to-weight ratio
- Durable and heavy-duty
- Good machining properties
- Low volatile organic compounds (VOC), including formaldehyde emissions
- Esthetic and visually attractive
- Sustainable product

Further processing

Riga Ply can be processed in many different ways, including film overlaying or special composite materials, lacquering, oiling, cut-to-size, CNC, drilling, milling, jointing, edge machining, assembling in sets, scarf jointing. Following any on-site cutting, machining and drilling, all exposed edges should be thoroughly sealed.

Construction

Riga Ply is made of 1.45 mm thick cross bonded birch veneers. Face veneers are available in long and cross grain. For customer specific requirements, specially designed oriented veneer constructions can be used to improve the bending strength and stiffness properties.

Grades

Riga Ply is sanded on both faces, forming a smooth and durable surface, which is suitable for a variety of finishes.

S (II)	for good quality staining and lacquering.
BB (III)	for finishing and coating with transparent and non-transparent thicker overlays and films, veneering and applications where a solid face is required.
WGE	plywood of WG grade without open defects (repaired with filler), for overlaying with non-transparent finishing material.
WG (IV)	for use where surface appearance is not important, reverse grade.

An enhanced version of WGE grade is available for demanding overlay applications using thinner non-transparent finishing materials.

Surface appearance classification fulfills the requirements of EN 635.

Panel sizes

- 1220 / 1250 mm × 2440 / 2500 / 2745 / 2750 / 3000 / 3050 / 3340 / 3660 mm
- 1500 / 1525 mm × 2440 / 2500 / 2745 / 2750 / 3000 / 3050 / 3340 / 3660 mm
- 1830 / 1850 mm × 3050 / 3340 / 3660 / 3850 mm
- 2150 mm × 3050 / 3340 / 3850 / 4000 mm
- 2440 / 2500 mm × 1220 / 1250 mm

Standard thicknesses

4, 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40, 45, 50 mm
Other thicknesses available on request.

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 melamine-urea-formaldehyde resin according to EN 314 / Class 1 and BS 1203 / H1 possible.

Riga Ply

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) < 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 Ply's formaldehyde emission level is significantly below EN 13986 Class E1 and it is certified as complying to EPA TSCA Title VI and CARB Phase 2. It is also compliant with the requirements of the new REACH Formaldehyde Restriction Regulation EU 2023/1464, Finnish Emission Classification of Building Materials (M1), French VOC Emissions Labelling Class A+ and Japanese F****.

Compliance to REACH

Riga Wood birch plywood meets all the requirements of the REACH Regulation. It does not contain SVHC (Substances of Very High Concern) listed on the REACH candidate list for authorisation exceeding concentration 0.1 % by weight.

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