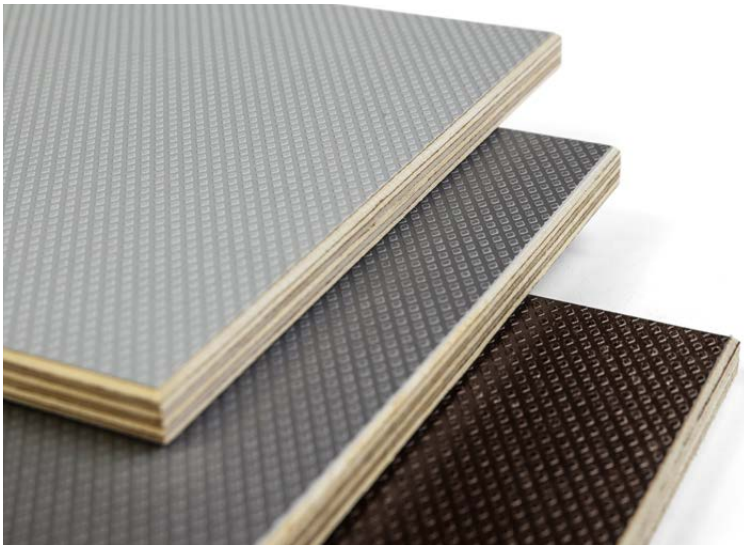

RigaWood
Latvijas Finieris Group

Riga Rhomb, Rhomb Heavy

Riga Rhomb and Riga Rhomb Heavy are birch throughout plywoods, overlaid with a hard wearing film with a rhomboid pattern surface, combining both functionality and a decorative visual appearance.

Applications

Riga Rhomb and Riga Rhomb Heavy are durable panels, designed for technically demanding applications, where high wear resistance and good anti-slip properties are required.

ROAD TRANSPORT
Light commercial vehicles
Heavy commercial vehicles
Buses

LIGHT BUILDING
Stage systems & Industrial flooring
Joinery, furniture & Shopfittings
Outdoor solutions

Major advantages

Highly wear resistant and anti-slip surface ensuring safety underfoot Weather resistant gluing and water resistant surface Excellent strength-to-weight ratio Durable and heavy-duty Surface is resistant to commonly used chemicals and surface impact, easy to clean Aesthetic and visually attractive Sustainable product with long life span

Further processing

Riga Rhomb can be further processed according to customer's specification with: cut-to-size, CNC, drilling, milling, jointing, edge machining, assembling in sets.

Overlaying

Overlaid with resin impregnated film, during the coating process a special rhomb pattern is hot-pressed onto the sheet surface. Depending on the application, films impregnated with unmodified or modified phenolic or melamine resins are applied.

Surface properties

The rhomboid pattern overlay improves panel resistance against mechanical damage and wear, whilst providing a decorative appearance. The surface resists abrasion, commonly used chemicals, and is weather and moisture resistant. Rhomb Heavy with a wear resistant film significantly improves abrasion resistance. Riga Wood experts will advise the most appropriate overlay depending on the end use.

Wear resistance

Rolling test (EN 1818) more than 10,000 cycles depending on the coating. Rolling wear is tested with a load of 300 kg.

Taber test (EN 438-2) for Riga Rhomb is up to 900 revolutions, for Riga Rhomb Heavy is up to 10,000 revolutions.

Slip resistance

Anti-slip resistance class R10 according to DIN 51130.

Film colour

Based on phenolic resin:

- dark brown
- light brown
- green
- black
- yellow
- red

Based on melamine resin:

- silver grey
- honey
- light grey
- blue

Film weights from 220 g/m² to 660 g/m².
Special wear resistant film available.

Edge sealing

The edges are sealed with colour matched moisture resistant paint. Other colours are available upon request.

Panel sizes

1220 / 1250 mm x 2440 / 2500 / 2745 / 2750 / 3000 / 3050 mm
1500 / 1525 mm x 2440 / 2500 / 2745 / 2750 / 3000 / 3050 mm
2440 / 2500 mm x 1220 / 1250 mm

Riga Rhomb, Rhomb Heavy

Standard thicknesses

6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35 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 low emission melamine-urea-formaldehyde resin according to EN 314 / Class 1 and BS 1203 / H1 possible.

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.

Tolerance

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

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.

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

The provided information is for reference only and Riga Wood reserves the right to amend and supplement the specifications of manufactured products without prior notice. Wood is a living material; therefore, each panel is unique and minor differences are possible. Riga Wood does not guarantee a product's compliance with the requirements of any specific purpose.

Promoting Sustainable Forest Management
PEFC/12-31-001 www.pefc.org