



Riga Tex

Riga Tex is a birch throughout plywood, overlaid with a hard wearing film with a rough wire mesh pattern, it can be used anywhere anti-slip properties are required.

Applications

Riga Tex is a durable plywood for demanding technical applications, it can be used anywhere heavy-duty, high wear resistant and/or good anti-slip properties are required.



ROAD TRANSPORT

Heavy & Light commercial vehicles and trailers
Speciality trailers



HEAVY BUILDING

Scaffolding



LIGHT BUILDING

Stage systems & Industrial flooring
Outdoor solutions



RAIL TRANSPORT

Passenger & Cargo wagons



SEA TRANSPORT

Containers
Yachts & Boats

Major advantages

- Abrasive surface ensures underfoot safety and a safe surface for freight transport
- Weather resistant gluing and water resistant surface
- Excellent strength-to-weight ratio
- Durable and heavy-duty
- Cost efficient and easily workable with long life span
- Surface is resistant to commonly used chemicals and surface impact
- Sustainable product

Further processing

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

Overlaying

Overlaid with resin impregnated film, which is hot-pressed onto the sheet surface using wire net. Depending on the application, films impregnated with modified phenolic or melamine resins can be applied.

Face: wire mesh pattern

Reverse: smooth film, both sides covered with wire mesh pattern if specified

Wire mesh pattern availability:

- Small mesh – 4.5 mesh per 1 cm
- Large mesh – 2.5 mesh per 1 cm

For enhanced performance it is possible to use multi-layer films.

Surface properties

The wire mesh overlay improves panel resistance against mechanical damage and wear. It resists abrasion, commonly used chemicals and is weather and moisture resistant. Depending on the film used (modified phenolic or melamine), abrasion, crack, UV resistance and other properties can be significantly improved. Riga Wood experts will advise the most appropriate overlay depending on the end use.

Wear resistance

Rolling test (EN 1818) up to 9,000 cycles depending on the coating. Rolling wear is tested with a load of 300 kg.

Taber test (EN 438-2) up to 10,000 revolutions depending on the coating.

Dark brown 120 g/m² up to 400 revolutions

Dark brown 220 g/m² up to 900 revolutions

Special wear resistant film 350 g/m² up to 10,000 revolutions

Dark brown 440 g/m² up to 2,500 revolutions

Slip resistance

The highest R13 anti-slip resistance class attained according to DIN 51130.

Edge sealing

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

Riga Tex

Film colour

Based on phenolic resin:

- dark brown
- black
- green*
- light brown*
- yellow

Based on melamine resin:

- silver grey
- honey*
- multigrey
- light grey
- blue

Film weights from 120 g/m² to 660 g/m².

Special wear resistant film available.

*With BB grade veneer under these translucent films.

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
- 2290 mm × 4000 mm
- 2440 / 2500 mm × 1220 / 1250 mm

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.

 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.

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 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 new REACH Formaldehyde Restriction Regulation EU 2023/1464, EPA TSCA Title VI and CARB Phase 2.

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.