

Riga Pattern+

Riga Pattern+ is a birch throughout plywood, overlaid with a hard wearing film that combines the latest decorative industry techniques with exceptional flexibility. This technique enables customers to explore a diverse range of textures and colours, enabling the creation of truly innovative designs on direct-pressed birch plywood surfaces.

Applications

Riga Pattern+ is a durable panel for applications, where highly decorative surfaces in a variety of textures and colours are required.



LIGHT BUILDING

Decorative wall & Ceiling linings
Joinery, furniture & Shopfittings
Stage systems



PACKAGING

High-end packaging for flight cases



ROAD TRANSPORT

Light commercial vehicles

Major advantages

- Maximum combination possibilities between textures and colours
- High wear resistance, durable and heavy-duty surface
- Aesthetic and visually attractive
- Excellent strength-to-weight ratio
- Weather resistant gluing and water resistant surface
- Surface is resistant to commonly used chemicals and surface impact, easy to clean
- Sustainable product with long life span

Overlaying

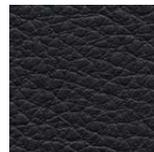
Overlaid with resin impregnated film which is hot-pressed using specialised press plates. Depending on the application, films impregnated with modified phenolic or melamine resins can be applied and performance further enhanced with multiple overlays.

Surface properties

The new Riga Pattern+ overlay provides a decorative, textured appearance. The surface resists abrasion, commonly used chemicals, and is weather and moisture resistant. It can be easily cleaned with water or steam. The reverse side is smooth, overlaid with resin impregnated film. Riga Wood experts will advise the most appropriate overlay depending on the end use.

Texture selection

Riga Pattern+ offers a selection of standard textures (leather, rock, slatewood) for design flexibility. The direct-pressed surfaces allow for seamless integration of various textures and colours. Contact us to explore the possibilities of customisable textures to meet your specific project needs.



Riga Pattern+ Leather



Riga Pattern+ Slatewood



Riga Pattern+ Rock

Further processing

Riga Pattern+ can be further processed according to customer's specification with: cut-to-size, CNC, drilling, milling, jointing, edge machining and assembling in sets. Following any on-site cutting, machining and drilling, all exposed edges should be thoroughly sealed.

Wear resistance

Taber test (EN 438-2) up to 2,500 revolutions depending on the coating.

Film colour

Based on phenolic resin:

- dark brown
- black

Based on melamine resin:

- silver grey
- light grey
- white

Film weights from 220 g/m² to 440 g/m².

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Edge sealing

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

Panel sizes

- 1220/1250 mm × 2440/2500/2750/3000/3050 mm
- 1500/1525 mm × 2440/2500/2750/3000/3050 mm

Riga Pattern+ Slatewood available just in 1220/1250 mm. Other sizes available on request.

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 $9 \pm 3\%$.

| 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.

 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

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.

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.