



Riga Mel

Riga Mel is a birch throughout plywood, overlaid with melamine film on one or both faces, combining durability and aesthetic appearance.

Applications

Riga Mel has a long-lasting surface with visually design-orientated appearance for architectural requirements and industrial end uses.



LIGHT BUILDING

Joinery, furniture & Shopfittings
Industrial wall & Ceiling linings



ROAD TRANSPORT

Heavy & Speciality trailers
Heavy & Light commercial vehicles



PACKAGING

Die boards



SEA TRANSPORT

Cargo ships
Yachts & Boats

Major advantages

- High quality, hygienic and odour free surface
- Increased scratch and crack resistance
- Architecturally multifunctional use
- Weather resistant gluing and water resistant surface
- High wear resistance and durability
- Surface is resistant to commonly used chemicals, UV rays and surface impact, easy to clean for repeated uses
- Sustainable product with long life span

Further processing

Riga Mel 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.

Overlying

Overlaid with modified melamine resin-based film, which is hot-pressed onto the sheet, ensuring smooth and protected surface. Reverse face can be overlaid with phenol film if necessary.

Surface properties

Surface is smooth, glossy and dense, improving panel resistance against mechanical damage and wear. It resists abrasion, commonly used chemicals, is moisture proof, and the surface can be easily cleaned.

Film colour

White film weight of 395 g/m², colourless 120 g/m² and opal white 120 g/m².

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 / 2745 / 2750 / 3000 / 3050 / 3340* / 3660* mm
 - 1500 / 1525 mm × 2440 / 2500 / 2745 / 2750 / 3000 / 3050 / 3340* / 3660* mm
 - 2440 / 2500 mm × 1220 / 1250 mm
- * Minimum order quantities apply.

Standard thicknesses

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.

Riga Mel

Tolerance

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

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 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.

 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.

Surface Cleaning Tips

Riga Mel surfaces are highly resistant and hygienic, requiring no special care. Regular cleaning using mild agents is sufficient, avoiding cleaning products with wax or abrasive components that can clog or scratch the surface. Test any cleaning product in an inconspicuous area before use. Riga Wood cannot be held responsible for any misuse or improper handling.

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.