RigaWood
Latvijas Finieris Group

Riga Heksa, Heksa Plus

Riga Heksa Plus and Riga Heksa are birch throughout plywoods, overlaid with a hard wearing film with a special hexagonal pattern, combining both functionality and aesthetic visual appearance.

Applications

Riga Heksa Plus and Riga Heksa are durable panels for demanding applications, they can be used anywhere heavy-duty, high wear resistant and decorative appearance are required.

ROAD TRANSPORT
Light & Heavy commercial vehicles
Light & Heavy trailers
Buses, Vans

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

HEAVY BUILDING
Scaffolding

Major advantages

- High wear resistance 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 for repeated uses
- Aesthetic and visually attractive
- Sustainable product with long life span

Further processing

Panels 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, during the coating process a hexagonal 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 hexagonal 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. The reverse side is smooth, overlaid with resin impregnated film.

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) 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

Riga Heksa: anti-slip resistance class R9 according to DIN 51130.

Riga Heksa Plus: 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
- multigrey*
- light grey
- blue

Film weights from 220 g/m² to 440 g/m².
Special wear resistant film available.
*Available for Riga Heksa Plus

Riga Heksa, Heksa Plus

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
- 1830* / 1850* mm x 3050 / 3340 / 3660 / 3850 mm
- 2150* mm x 3050 / 3340 / 3850 / 4000 mm
- 2290* mm x 4000 mm
- 2440 / 2500 mm x 1220 / 1250 mm

*Available for Riga Heksa Plus

Standard thicknesses

4, 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40*, 45*, 50* mm
*Available for Riga Heksa Plus

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.

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	51.1

*Available for Riga Heksa Plus
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.

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