

Birch throughout plywood (Riga Ply) overlaid on both faces with a phenol or UV resistant film.

**Applications**

Shuttering, transport industry, building and construction, flooring, inter-wall structures in farms, advertisement and information panels, wall panelling.

**Advantages**

Environmentally friendly, durable, easily workable, hygienic, odour free, easy-to-clean, wear-resistant, weather- and waterproof, resists commonly used chemicals. Riga Form for shuttering can be re-used many times.

**Overlaying**

Phenol film is composed of a basic paper which is impregnated with phenol resin.

UV resistant film is impregnated with a special thermosetting mixture of polymers containing amino resins.

Special high wear resistance film, underlay or multi layer overlaying gives superior wear resistance.

**Film colour**

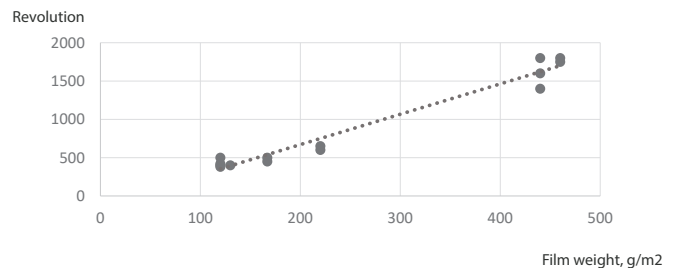
Phenol films: dark brown, light brown\*, black, light grey, silver grey, yellow, green, red\*, honey.

UV resistant films: multigrey, blue, opal white.

\*With BB grade veneer under these translucent films.

**Characteristics of overlay**

Surface is smooth, glossy and hard. It resists abrasion, commonly used chemicals, diluted acids and alkalis, and is weather and moisture proof. The surface is easy to clean with water or steam. Abrasion resistance according to the Taber test (EN 438-2) depends on applied film, conditions of product storage, thickness of film a.o. (see below).



**Edge sealing**

The edges are sealed with an acrylic paint, to avoid absorption of moisture. The edge sealing paint and the panels' face colours match, however other colours are available upon request.

**Standard sizes**

- 1220 mm x 2440 / 3050 mm
  - 1250 mm x 2500 / 3000 mm
  - 1500 mm x 2500 / 3000 mm
  - 1525 mm x 3050 / 3660 mm
  - 1850 mm x 3050 / 3340 / 3850 mm
  - 2150 mm x 3050 / 3340 / 3850 mm
- Long grain plywood panels up to 2500 mm are also available. Cut-to-size panels and machining available in accordance with customer requirements.

**Standard thicknesses**

- 4, 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35, 40, 45, 50 mm

## Gluing classes

Riga birch plywood is glued with phenol formaldehyde or lignin phenol formaldehyde resin adhesive which is weather and boil-proof and meets the requirements of the EN 314 / 3 class.

It is also possible to glue plywood with moisture resistant low emission melamine-urea-formaldehyde resin (meets the requirements of EN 314 / 1 class and BS 1203 / H1).

## Formaldehyde emission

In accordance with the standard EN 13986 the formaldehyde emission meets the Class E1 requirements (test method EN ISO 12460-3). Riga birch plywood meets the EPA TSCA Title VI, CARB Phase 2 and Japanese 4-Star Regulation's requirements.

## Further processing

Latvijas Finieris offers CNC machining, half lap, tongue & groove jointing, jointing of panels, etc.

## Tolerance

Dimensional and right angle tolerance meets the standard EN 315 requirements.

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
Average actual thickness, mm	3.7	6.3	9	11.8	14.6	17.4	20.4	23.2	26.2	28.9	34.5	40	44.7	49.5
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

Parameter	Tolerance
Length, width (mm) < 1000	± 1 mm
Length, width (mm) - 1000..2000	± 2 mm
Length, width (mm) > 2000	± 3 mm
Right angle	± 0,1%
Edge straightness	± 0,1%

Additional information can be found in Riga plywood handbook <https://www.finieris.com/en/downloads/brochures>



The given information is for reference only and Latvijas Finieris reserves the right to amend and supplement the specifications of manufactured products without a prior notice.

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