



RIGA[®]

TEX

Product

Birch plywood (Riga Ply) overlaid with a phenol film or with an UV resistant film on both the sides. The wear side has a rough wire mesh pattern (W); the reverse normally is smooth (F), although it can have wire mesh pattern, too (grade W/W). Riga Tex rough wire mesh overlay withstands hard wear and it can be used for many different floor-panelling purposes.

Film color

Phenol films: dark brown (120, 130 (wear resistant) and 220 g/m²), light brown (120 g/m²), yellow non-transparent (167g/m²), green (120g/m²), black (120g/m²), red (220g/m²), UV resistant film: grey (174g/m²).

Applications

Vehicle floors, pedestrian bridges, storage and factory floors, storage shelves, loading platforms, ship decks, pier surfaces. In general - applications where high wear resistance and/or good anti-slip properties are required.

Advantages

The wire mesh surface has high wear resistance and anti-slip properties, surface is weather- and water-proof, resists to commonly used chemicals. In addition, the product is environmentally friendly.

Gluing classes

Plywood is glued with waterproof phenol formaldehyde resin adhesive. The weather and boiling water resistant bonding meets the requirements of the following standards:

EN 314 / 3rd class;
BS 1203 / H 4 (previously WBP);
DIN 68705 Part 3 / type BFU 100.

Formaldehyde emission

In accordance with the standard EN 13986 the formaldehyde emission meets the Class E1 requirements (test method EN 717 Part 2). Plywood glued with phenol-formaldehyde resins meets the CARB Phase 2 and Japanese 4-Star Regulation's requirements.

Overlaying

A smooth phenol or an UV resistant film, which is hot-pressed onto the surface, is used as an overlay. The phenol film is composed of a basic paper which is impregnated with phenol resin. The UV resistant film is impregnated with special thermosetting mixture of polymers containing amino resins.

On special request, panels can be overlaid with wear resistant phenol film or/and multi-layer phenol film and both the sides can have a wire mesh pattern.

Wire mesh pattern alternatives:

Large Mesh (grade WL) - 2.5 mesh per 1cm;
Small Mesh (grade W) - 4.5 mesh per 1cm.

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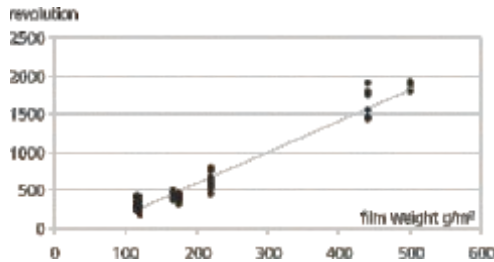
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Characteristics of overlay

The surface with an overlay is highly resistant to abrasive wear and it does not crack. It is also resistant to weather and moisture as well as commonly used chemicals. The surface with wire mesh pattern provides high anti-slip properties. Riga Tex panels can be machined with normal woodworking equipment. During machining extra hard cutting tools are recommended.

Abrasion resistance according to the Taber test (EN 438-2): depends on applied film, surface texture, conditions of product storage, thickness of film (see below) a.o.



The Small Mesh wear resistance to wear parameters are superior to those of the Large Mesh. Overlaid plywood's wear resistance may be superior to 10'000.

Latvijas Finieris specialists will assist you in choosing the most appropriate product.

Edge sealing

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

Sizes

- 1220 mm x 2440 / 3050 mm (thickness: 6.5 - 45 mm)
- 1250 mm x 2500 / 3000 mm (thickness: 6.5 - 45 mm)
- 1500 mm x 2500 / 3000 mm
- 1525 mm x 3050 / 3660 mm
- 2150 mm x 3050 / 3340 / 3850 mm

Cut-to-size panels and machined panels available in accordance with the customers' requirements.

Thickness

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

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
Number of plies	3	5	7	9	11	13	15	17	19	21	25	29
Average actual thickness, mm	3.8	6.4	9.2	12.0	14.9	17.7	20.5	23.4	26.5	29.4	35	38.7
Lower limit, mm	3.5	6.1	8.8	11.5	14.3	17.1	20.0	22.9	25.8	28.7	33.6	38.4
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

Parameter	Tolerance
Length, width (mm)	
< 1000	± 1 mm
1000...2000	± 2 mm
> 2000	± 3 mm
Right angle	± 0.1 %
Edge straightness	± 0.1 %

Plywood is manufactured by AS Latvijas Finieris whose Quality Management System is certified to the requirements of ISO 9001 by Bureau Veritas Certification.



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