

**RIGA**[®]

SMOOTH MESH

Product

Birch plywood (*Riga Ply*) overlaid with multi-layer phenol film on both the sides. The wear side has a smooth wire mesh pattern; the reverse side normally is smooth, although it can have wire mesh pattern, too.

Riga Smooth Mesh wire mesh overlay is decorative and withstands hard wear.

Applications

For walls and applications where high wear resistance and/or decorativeness are required.

Advantage

The smooth wire mesh surface has high resistance to wear, it is decorative, weather and waterproof, resists to commonly used chemicals, it is easy to be cleaned. Environmentally friendly.

Gluing classes

Basic plywood is bonded with a phenol resin adhesive resistant to weather, boiling water and meets the requirements of the following standards:

EN 314 / 3rd class;

BS 1203 / H4 (WBP);

DIN 68705 Part 3 / type BFU 100.

Formaldehyde emission

In accordance with the standard *EN 13986* formaldehyde emission meets the Class *E1* requirements. Test method *EN 717 Part 2*.

Overlaying

The panels are overlaid with a phenol film and have smooth wire mesh pattern imprinted during hot pressing process. The unit weight of *Riga Smooth Mesh* plywood film is 120 g/m² or 220 g/m².

On special request, panels can be overlaid with multi layer phenol film thus giving superior wear resistance of overlay. The overlaying film can be the same on both sides or it can differ. Wire mesh pattern can be of two kinds:

Large Mesh - 2.5 mesh per 1cm;

Small Mesh - 4.5 mesh per 1cm.

**LATVIJAS FINIERIS****AKCIJU SABIEDRĪBA**

Bauskas iela 59, Rīga, LV-1004, Latvia
Phone +(371) 7620857, fax +(371) 7820112
E-mail: info@finieris.lv
<http://www.finieris.com>

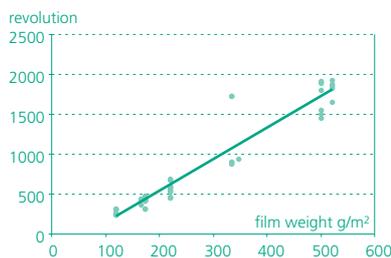
RIGA[®] SMOOTH MESH

Overlaying

A phenol film, which is hot-pressed onto the surface, is used as an overlay. The film is composed of a base paper and phenol resin that is impregnated into the base paper. Film weights 120 g/m², ~170 g/m², 220 g/m². Overlaying with higher resistance to abrasion and multi-layer overlaying are also possible (respectively 240 g/m², 440 g/m² etc.). Multi-layer overlaying gives superior wear resistance.

Overlaying characteristics

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



Small mesh resistance to wear parameters are better than Large mesh ones.

It is possible to obtain overlaid plywood resistance to wear even above 10 000 revolutions.

Company's specialists will assist you to choose the most appropriate product.

Edges sealing

Edges of the panels are matched with the face against absorption of moisture by using acrylic paint. Other colours are available and the edges may be unsealed at customers' request.

Sizes

1200 mm x 1200/1500/1800/2100/2400/2700/3000 mm
 1220 mm x 1220/1525/1830/2135/2440/2745/3050 mm
 1250 mm x 1250/1500/1800/2150/2500/2750/3000 mm
 1500 mm x 1500/1800/2100/2500/2700/3000 mm
 1525 mm x 1525/1830/2135/2440/2745/3050 mm

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

Thickness

4, 6.5, 9, 12, 15, 18, 21, 24, 27, 30, 35 mm.

Tolerance

Size and right angle tolerance meets the standard *EN 315* requirements.

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
Average actual thickness, mm	6.4	9.2	12.0	14.9	17.7	20.5	23.4	26.5	29.4	35
Lower limit, mm	6.1	8.8	11.5	14.3	17.1	20.0	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

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 *JSC Latvijas Finieris* whose Quality Management System is certified to the requirements of *ISO 9001* by *Bureau Veritas* Quality International.

Certified ISO 9001 : 2000 by



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

Nr. 004 206_130106