

**RIGA**[®]

SILENT

Product

Birch plywood with 2 or 3 mm cork-rubber composite material used as the core to improve acoustic properties and protection against noise and to damp vibration.

Riga Silent face options

- Riga Ply – Raw plywood, the quality according to customer's requirements.
- Riga Form – Plywood overlaid with a smooth phenol or UV-resistant film.
- Riga Tex – Plywood overlaid with a phenol or UV-resistant film with a wiremesh pattern.

Applications

Riga Silent is applied in floors and walls where sound insulation and vibration elimination is required.

Further processing

Riga Silent can be machined with woodworking tools: cutting, drilling, milling, jointing in length, tongue and groove (T&G), half laps, profiled edges etc.

Advantages

- The Riga Silent's cork-rubber core improves sound absorption, damps vibration and deadens noise.
- Good visual appearance, easily workable, odour free, easy-to-clean, weather and boiling water proof resisting commonly used chemicals.
- High wear resistance and anti-slip properties of the wiremesh surface.
- User and environmentally friendly and hygienic.

Gluing classes

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

- EN 314 / 3rd Class;
- BS 1203 / H4 (previously WBP);
- DIN 68705 Part 3 / Type BFU 100.

Formaldehyde emission

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

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Airborne sound insulation

Airborne sound insulation according to EN ISO 717.

Thickness	Airborne sound insulation, 100-3150 HZ
15 mm	28 dB
18 mm	28 dB
21 mm	29 dB

Edges sealing

The panel edges are sealed with acrylic paint.

Standard sizes

1250 mm x 2500 mm

1500 mm x 2500 mm

1525 mm x 3050 mm

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

Standard thicknesses and options

Riga Silent thickness	Thickness of cork-rubber composite material	Plywood thickness (the upper layer)	Plywood thickness (the lower layer)
15 mm	2 mm	6,5 mm	6,5 mm
18 mm	2 mm	6,5 mm	9 mm
21 mm	3 mm	9 mm	9 mm

Other plywood and cork-rubber core thicknesses on request.

Tolerance

Right angle tolerance meets the standard EN 315 requirements.

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.

