



RIGA[®]

POLIFORM

Product

Birch plywood (*Riga Ply*) overlaid with a special composite material on both sides.

Application

Formwork systems.

Advantages

This product produces a superior appearance to the concrete surface whilst protecting the plywood substrate. The expected lifetime of the panels, when properly used, may exceed 100 times.

The thickness of the composite face material helps to protect the plywood against swelling.

The composite material is ecologically safe and recyclable.

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.

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Overlay

The composite material is made of wood fibres and polypropylene. The overlay is glued with D3 or D4 class glues according to the standard EN 204 requirements. The thickness of the overlay is 1.6 mm. The standard color is grey. The surface is glossy or mat. The surface of this material resists well against various kinds of damages. After use, the panels release well and maintain their performance for a long time. Moisture absorption inferior to 1.8% translates to excellent weather resistance. The panels can be used within a temperature range from -40°C up to +80°C.

Sizes

1220 mm x 2440 / 3050 mm
 1250 mm x 2500 / 3000 mm
 1500 mm x 2500 / 3000 mm
 1525 mm x 2440 / 3050 mm

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

Thickness

9, 12, 15, 18, 21, 24 mm.

Tolerance

Dimensional and right angle tolerance.

| Nominal thickness, mm | 15 | 18 | 21 |
|------------------------------|--------|---------|---------|
| Number of plies | 9+2XPP | 11+2XPP | 13+2XPP |
| Average actual thickness, mm | 15.2 | 18.0 | 21.3 |
| Lower limit, mm | 14.8 | 17.4 | 20.7 |
| Upper limit, mm | 15.6 | 18.7 | 21.7 |

| 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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