

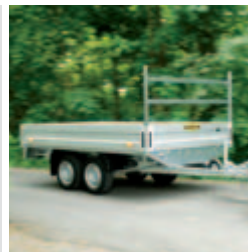
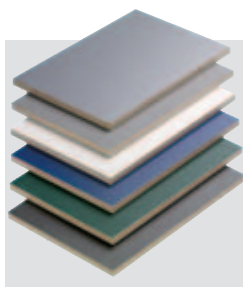


**Coated plywood before.**



**And now.**

# **Finnforest FLEX**



**finnforest**



Finnforest FLEX is a Birch Plywood Panel overlaid with a special thermoplastic overlay. It is suitable for various demanding indoor and outdoor applications.

A superb combination of technical properties with high class surfaces brings the quality of a wall element to a new level, without any compromises in technical requirements of the panel.

Good weather and crack resistance, various product options and high quality surfaces makes Finnforest FLEX an excellent panel for various applications:

- Sidewalls of vehicles and trailers
- Interior linings of vans
- Playground and park furniture, fencing
- Rebound walls, Sport stands
- Shop, kitchen and sanitary fittings
- Furniture
- Transit cases

#### **SURFACE**

Surface material is a slightly embossed special thermoplastic overlay.

Standard colours are White, Grey, Silver and Black.

Other colours are available by special order within limited sizes and sales conditions.

#### **FINNFOREST FLEX PANEL HAS THE FOLLOWING ADVANTAGES**

- Excellent impact and crack resistance
- Good weather resistance
- Easy to fix and cut
- High quality surfaces
- Good wear resistance
- Easy to clean
- Good resistance against most chemicals

Due to excellent crack resistance of the overlay, Finnforest FLEX panel can be easily fixed with standard fastenings such as screws, bolts, rivets and nails without the risk of cracking the surface overlay.



## PRODUCT DATA

### PRODUCT SIZES

All standard plywood sizes are available.

The standard panel sizes are:

1200 / 1220 / 1250 / 1500 / 1525 mm x 2400 / 2440 / 2500 / 3000 / 3600 mm

Larger sizes up to 6000 x 2000 mm, are available with limited material, colour, surface and thickness options.

Cut to size and CNC machined pieces on request.

### THICKNESSES

6.5, 9, 12, 15, 18, 21, 24, 27, 30 mm, other thicknesses and constructions on request.

### WEIGHT

Average weight of Finnish birch plywood is approx. 680 kg/m<sup>3</sup>

### TECHNICAL PROPERTIES OF SURFACE

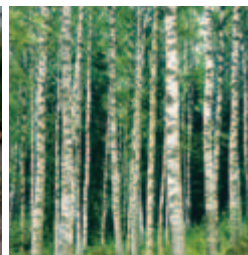
- Taber value is approx 2000 R depending on overlay
- Colour stability 6-7 according to DIN 54404
- Colour change  $\Delta E < 1$  according to ISO 4892-2 (600 h)
- Crack resistance EN13696 no cracks
- Impact resistance Class IC3 according to EN438-2
- Overlay bonded to plywood with weather resistant glue (EN 204 durability class D4)

### EDGE SEALING

Panel edges are sealed against moisture absorption with acrylic paint. Edge seal colour is usually fixed to match the surface film colour. Even though edge sealing slows down the absorption of moisture into the panel, it does not eliminate it completely.

### USEFUL INFORMATION

- Plywood panels bonded with phenolic resin adhesive (WBP, BFU, AW, exterior), are resistant to weather and boiling water.
- Modulus of elasticity, characteristics strengths, biological durability and other useful information about Birch plywood are presented in the Handbook of Finnish Plywood. For more information about strength and design details please contact Finnforest plywood technical support.
- Since Finnforest FLEX plywood is a wood based product which is living material, extra care of final product design and construction has to be taken into consideration. Extreme moisture penetration may cause visible changes on the appearance of the product and decrease the strength properties.
- Finnforest FLEX plywood products have very high surface qualities and the surface is susceptible to scratches due to its decorative appearance. Extra care has to be practised in handling and storing the panels to prevent damages.



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Metsäliitto is the eighth largest forest industry group in the world with sales of EUR 8.5 billion (previously 9.3 billion) and 25,000 employees. Its five business areas include wood supply, wood products industry, pulp, paper and board, and tissue and cooking papers. The Group's parent company Metsäliitto Cooperative and subsidiaries Metsä-Botnia, M-real and Metsä Tissue operate in 30 countries.

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Finnforest reserves the right to change the range without notice.

