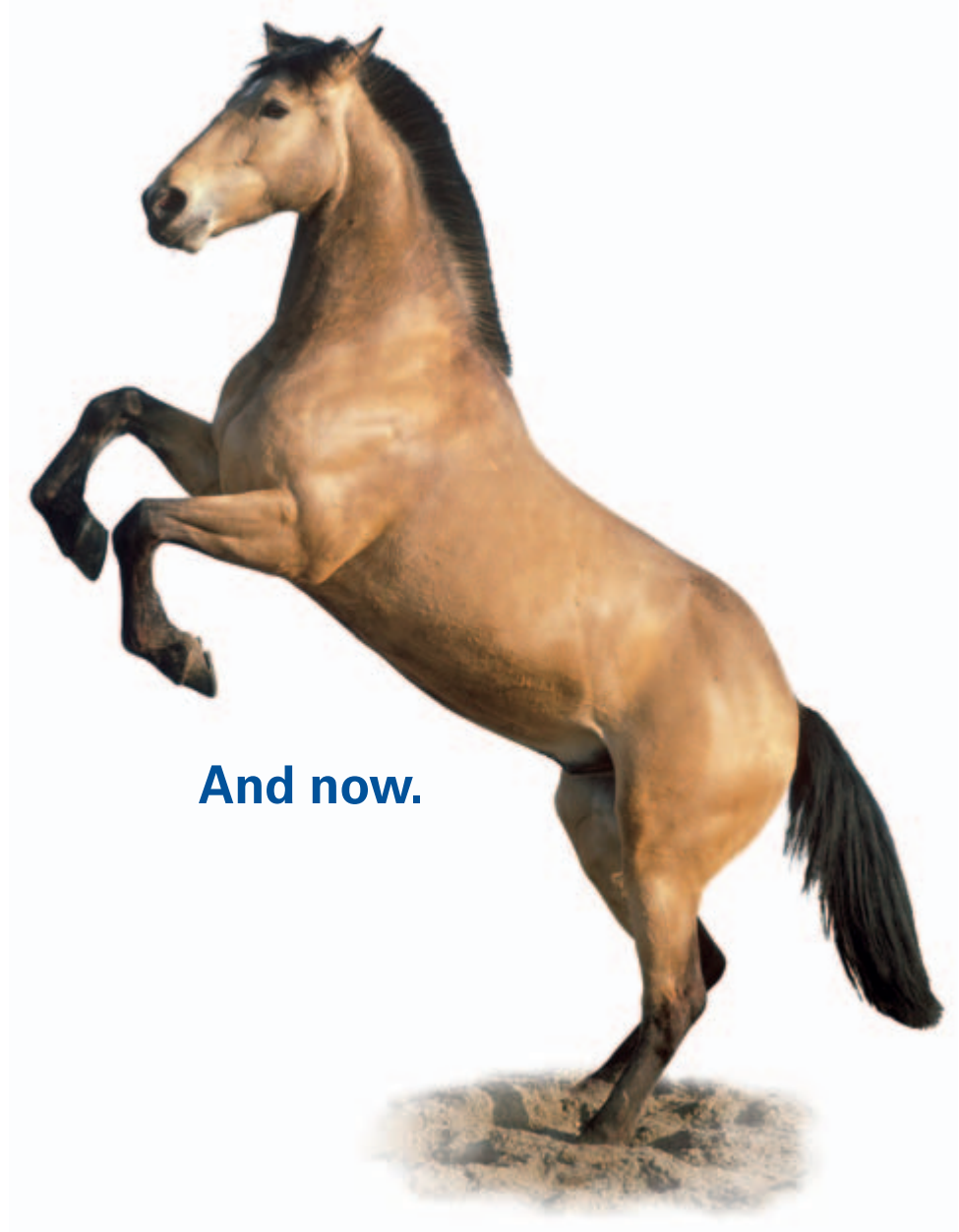




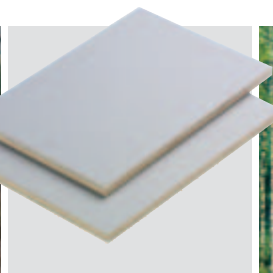
Coated plywood before.

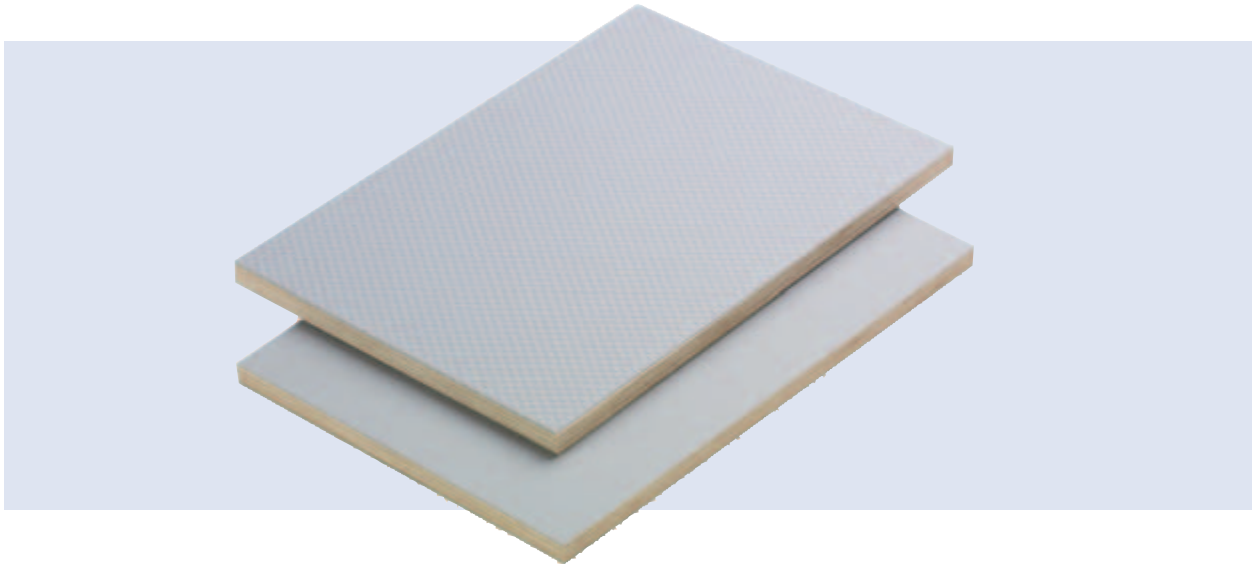


And now.

Finnforest TUFF

The life of
plywood just
got easier.





Finnforest TUFF 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 floor element to a new level, without any compromises in technical requirements of the panel.

Excellent durability together with good slip and weather resistance makes Finnforest TUFF an excellent panel for various flooring applications:

- Floors of vans, lorries and trailers
- Floors for refrigerated rooms and vehicles
- Stages and sport stands
- Terraces and balconies
- Worktops and platforms
- Playground and park furniture

SURFACE

Surface material is a special thermoplastic overlay which is embossed.

Standard colour is light grey.

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

FINNFOREST TUFF PANEL HAS THE FOLLOWING ADVANTAGES

- Excellent wear resistance
- Excellent impact and crack resistance
- Flexible and slip resistant surface
- Good weather resistance
- Easy to fix and cut
- High visual quality
- Easy clean ability
- Good resistance against most chemicals

Due to excellent crack resistance of the overlay, Finnforest TUFF 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.
 1200 / 1220 / 1250 / 1500 / 1525 mm x 2400 / 2440 / 2500 / 3000 / 3600 mm
 Larger scarf jointed sizes up to 6000 x 1900 mm are available on request.
 Cut to size and CNC machined pieces also on request.

THICKNESSES

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

WEIGHT

Average weight of Finnish birch plywood is 680 kg/m³

TECHNICAL PROPERTIES OF SURFACE

- Taber value is approx 5000 -10000 R depending on overlay
- Colour stability 6-7 according to EN ISO 105-B02
- Colour change $\Delta E < 1$ according to ISO 4892-2 (600 h)
- Crack resistance EN 13696 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 TUFF 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 TUFF 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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For further information please contact Finnforest plywood sales and distribution network www.finnforest.com.
Finnforest reserves the right to change the range without notice.

