Birch Ply
Floor
Floor L

Metsä Wood Floor is multilayer phenol film overlaid birch plywood with a rough wire mesh pattern. The rough-surfaced Floor is a heavy-duty, multipurpose plywood flooring panel for applications requiring a reliable, long-lasting anti-slip surface. Metsä Wood Floor is available in various sizes: standard, L and XL.

APPLICATIONS
Metsä Wood Floor is an ideal panel for transport applications that require highly wear-resistant and rough surfaces:
- Vehicle floors (trailers, trucks, lorries, vans etc.)
- Railway wagon floors
- Ship decking
- Transport platforms

Metsä Wood Floor can also be used in other heavy-duty flooring applications.

MAJOR ADVANTAGES
- Extremely durable and weather resistant overlay
- Highly slip resistant wire mesh surface which ensures excellent loading safety
- Light and dimensionally stable
- Strong and rigid
- Withstands impacts and other forms of bruising
- Easy to machine and fasten using conventional woodworking tools and fasteners
- Easy to clean
- Good chemical resistance
- Environmentally friendly
- Weather and boil proof bonding

BASE PLYWOOD
The base plywood of Metsä Wood Floor is Metsä Wood Birch, which is made of cross-bonded 1.4 mm thick birch veneers and bonded with weather and boil-resistant phenol formaldehyde adhesive.

Designed and tailor-made to serve in demanding applications, birch plywood can be ordered with special oriented veneer structures to provide even higher strength and stiffness properties.

OVERLAY
The panel is overlaid with a durable phenolic film, and a rough wire mesh pattern is pressed into the surface during hot-pressing.

There are two different overlay thicknesses and wire mesh patterns available:
- Tight wire mesh Floor 500
- Coarse wire mesh Floor 700

The phenolic film is also applied to the reverse side and this side is normally smooth. Standard film colour is dark brown. The phenol film is not UV resistant and the colour may change if exposed to sunlight over prolonged periods.

SURFACE PROPERTIES
The panel has a rough and hard surface. Thick multi-layer overlay can withstand highly abrasive and rolling wear. The surface is also moisture resistant and can tolerate commonly used chemicals as well as diluted acids and alkalis. The surface is easy to clean with water or steam.

ABRASION AND ROLLING WEAR RESISTANCE OF METSÄ WOOD FLOOR (VALUES ARE INDICATIVE AND VALID FOR NEW UNUSED PANELS).

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<thead>
<tr>
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<th>TABER REVOLUTIONS*</th>
<th>ROLLING WEAR*</th>
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<tr>
<td>Floor 500</td>
<td>3200</td>
<td>7000</td>
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<tr>
<td>Floor 700</td>
<td>4300</td>
<td>9000</td>
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* Abrasion resistance is tested according to EN 438-2 / DIN 52799
** Rolling wear resistance is determined by method corresponding to SS 923508. Rolling wear is an average calculated from the random rolling movements with a load of 200 kg, before the first signs of breakdown occur.
EDGE SEALING
Panel edges are sealed against moisture absorption with acrylic edge sealing paint. The standard colour of the edge sealing is dark brown. Even though edge sealing slows down the absorption of moisture into the wood, it does not eliminate it completely.

PANEL SIZES
Metsä Wood Floor is available in sizes:
- 1200 / 1220 / 1250 mm x 2400 / 2440 / 2500 / 3000 / 3050 / 3660 mm
- 1500 / 1525 mm x 2500 / 3000 / 3050 / 3660 / 4110 mm
Metsä Wood Floor L is available in sizes:
- 2020 x 4110 mm
- 1870 x 4110 mm
- 1870 x 1870 mm, 2020 x 2020 mm
The first measurement indicates the orientation of the surface veneer grain. Other sizes are available on request.

SIZE TOLERANCES
Measured in accordance with standard EN 324, the plywood size and squareness tolerances meet EN 315 requirements.

LENGTH / WIDTH TOLERANCE
< 1000 mm ±1 mm
1000-2000 mm ±2 mm
> 2000 mm ±3 mm
Squareness ±0.1 % or ±1 mm/m
Edge straightness ±0.1 % or ±1 mm/m

THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES
The thickness tolerances fulfill the requirements of standard EN 315 and are in part more stringent than the official requirements.

BONDING CLASSES
Metsä Wood plywood panels are bonded with a weather and boil-resistant phenol formaldehyde adhesive (WBP, BFU, AW, exterior).

FORMALDEHYDE EMISSIONS
Determined according to EN 717-1, the formaldehyde emitted by Metsä Wood Floor falls far below the Class E1 requirement of ≤ 0,100 ppm and fulfills also the most stringent requirements in the world (≤ 0,030 ppm). The formaldehyde emission of Metsä Wood Floor is approximately 0,017 ppm.

PANEL STRENGTH PROPERTIES
Metsä Wood Floor is a CE marked product and its strength and elasticity properties are identical with the Metsä Wood Birch standard plywood properties. The properties are specified according to standards EN 789 and EN 1058 and can be found in the Metsä Wood Floor Declaration of Performance (DoP). DoP documents can be downloaded from www.metsawood.com/dop.

PACKING
Metsä Wood Floor plywood panels can be machined according to customer specification on special request.

PACKING QUANTITIES
NUMBER OF PANELS PER PALLET BY THICKNESS

FURTHER INFORMATION
- Metsä Wood Floor Declaration of Performance (www.metsawood.com/dop)
- Metsä Wood Transport brochure

METSÄ WOOD
P.O. Box 50, 02020 Metsä, Finland
Tel. +358 1046 05
www.metsawood.com/plywood

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