Metsä Wood Deck is phenol film overlaid birch plywood with a rough wire mesh pattern. The rough-surfaced Deck is durable, multipurpose flooring panel. Metsä Wood Deck is available in various sizes: standard, L, XL and KingSize.

APPLICATIONS
Metsä Wood Deck is an ideal panel for applications that require highly wear-resistant and rough surfaces:

- **Transport industry**: Vehicle floors (trailers, trucks, lorries, busses, vans etc.), railway wagon floors, ship decking, transport platforms etc.
- **Building applications**: Warehouse and factory hall floors, loading docks, pedestrian bridges, piers, parking facilities, warehouse shelves, scaffolding etc.

MAJOR ADVANTAGES
- Slip resistant wire mesh surface
- Durable and weather-resistant overlay
- Excellent strength-to-weight ratio
- 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 Deck is Metsä Wood Birch. Birch plywood is made of cross-bonded 1.4 mm thick birch veneers 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. A smooth phenolic film is normally applied to the reverse side. A film with a basis weight of 120g/m² is generally used, but standard panel sizes are available also with 220g/m² film. Metsä Wood Deck L is available only with 220 g/m² film.

Standard film colour is dark brown. The phenol film is not UV resistant and the colour may change when exposed to sunlight over prolonged periods.

SURFACE PROPERTIES
Metsä Wood Deck surface is wire mesh patterned. The surface is hard, rough and highly resistant to abrasion 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.

<table>
<thead>
<tr>
<th>OVERLAY WEIGHT</th>
<th>TABER REVOLUTIONS**</th>
<th>ROLLING WEAR***</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deck 120 g / m²</td>
<td>350</td>
<td>3500</td>
</tr>
<tr>
<td>Deck 220 g / m²</td>
<td>700</td>
<td>5000</td>
</tr>
</tbody>
</table>

* Values are indicative and valid for new unused panels
** Abrasion resistance is tested according to EN 438-2 / DIN 53799
*** 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 Deck 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 Deck 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. Larger size scarf-jointed XL and KingSize panels are also available by special order.

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 fulfil the requirements of standard EN 315 and are in part more stringent than the official requirements.

THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES OF THE PANELS

<table>
<thead>
<tr>
<th>NOMINAL THICKNESS (mm)</th>
<th>NUMBER OF PLYS</th>
<th>THICKNESS TOLERANCE</th>
<th>WEIGHT kg/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.5</td>
<td>5</td>
<td>6.1-6.9</td>
<td>4.4</td>
</tr>
<tr>
<td>9</td>
<td>7</td>
<td>8.8-9.5</td>
<td>6.1</td>
</tr>
<tr>
<td>12</td>
<td>9</td>
<td>11.5-12.5</td>
<td>8.2</td>
</tr>
<tr>
<td>15</td>
<td>11</td>
<td>14.3-15.3</td>
<td>10.2</td>
</tr>
<tr>
<td>18</td>
<td>13</td>
<td>17.1-18.1</td>
<td>12.2</td>
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<tr>
<td>21</td>
<td>15</td>
<td>20.0-20.9</td>
<td>14.3</td>
</tr>
<tr>
<td>24</td>
<td>17</td>
<td>22.9-23.7</td>
<td>16.3</td>
</tr>
<tr>
<td>27</td>
<td>19</td>
<td>25.2-26.8</td>
<td>18.4</td>
</tr>
<tr>
<td>30</td>
<td>21</td>
<td>28.1-29.9</td>
<td>20.4</td>
</tr>
<tr>
<td>35</td>
<td>25</td>
<td>33.5-35.5</td>
<td>23.8</td>
</tr>
</tbody>
</table>

* Moisture content of the product affects its dimensions.
* Average density of Metsä Wood Birch plywood is 680 kg/m³ (at relative humidity of RH 65%).
* Special structures and thicknesses are available on request.
* Customised tolerances are possible but must be agreed separately.

FURTHER INFORMATION
- Metsä Wood Deck Declaration of Performance (www.metsawood.com/dop)
- Metsä Wood Transport brochure
- Metsä Wood Deck XL Product Data Sheet
- Metsä Wood KingSize Product Data Sheet