**Metsä Wood Deck XL**

Metsä Wood Deck XL is a larger size phenolic film overlaid birch plywood panel with a wire mesh pattern. Deck XL is a slip resistant flooring panel for demanding transport applications. XL panels enable larger one piece components.

**APPLICATIONS**

Metsä Wood Deck XL is suitable for applications that require large size panels with highly wear-resistant and rough surface. Larger panels facilitate and accelerate installation and provide structures with a high degree of rigidity.

- **Transport industry:** Van, truck, bus and passenger car floors, railway wagon floors, container floors and ship decking
- **Building applications:** Warehouse and factory hall floors, parking facilities, loading docks, piers and stages

**BASE PLYWOOD**

The base plywood of Metsä Wood Deck XL 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.

The core panel of the large size Deck XL is scarf-jointed from standard size birch plywood panels using weather-resistant adhesive.

**OVERLAY**

The panel is overlaid with a durable phenolic film, and a rough wire mesh pattern is pressed onto the surface during hot-pressing. Standard colour is dark brown 220 g/m². The reverse side is a 220 g/m² smooth phenolic film.

**SURFACE PROPERTIES**

Metsä Wood Deck XL surface is wire mesh patterned. The surface is hard and withstands abrasion and rolling wear, is 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**

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

* Values are indicative and valid for new unused panels
** Abrasion resistance is tested according to EN 438-2 / DIN 553799
*** Rolling wear resistance is determined by method corresponding to SS 929508. 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 panel, it does not eliminate it completely.

PANEL SIZES
Metsä Wood Deck XL length 4110 to 6000 and/or width 2020 to 2200 mm. Smaller panel sizes without scarf joint are available in standard and L sizes.

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

THICKNESSES, STRUCTURES AND THICKNESS TOLERANCES

<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>12</td>
<td>9</td>
<td>10.9</td>
<td>12.5</td>
</tr>
<tr>
<td>15</td>
<td>11</td>
<td>13.7</td>
<td>15.3</td>
</tr>
<tr>
<td>18</td>
<td>13</td>
<td>16.5</td>
<td>18.1</td>
</tr>
<tr>
<td>21</td>
<td>15</td>
<td>19.4</td>
<td>20.9</td>
</tr>
<tr>
<td>24</td>
<td>17</td>
<td>22.3</td>
<td>23.7</td>
</tr>
</tbody>
</table>

BONDING CLASSES
Metsä Wood plywood panels are bonded with a weather- and boil-resistant phenol formaldehyde adhesive. The gluing meets the requirements of the standard EN 314-2 / Class 3 (exterior).

The scarf joint is glued with weather-resistant adhesive.

FORMALDEHYDE EMISSIONS
Determined according to EN 717-1, the formaldehyde emitted by Metsä Wood Deck XL falls far below the Class E1 requirement of ≤ 0,100 ppm and fulfils also the most stringent requirements in the world (≤ 0.030 ppm). The formaldehyde emission of Metsä Wood Deck XL is approximately 0.017 ppm.

PANEL STRENGTH PROPERTIES
Due to the scarf jointed core plywood, the strength values of Metsä Wood Deck XL in the longitudinal direction of the panel are ca. 65% of standard Metsä Wood Birch plywood values. In the cross direction of the panel the strength values are similar to standard Birch plywood. Stiffness values in both directions are similar to standard Birch plywood.

MACHINING
Metsä Wood Deck XL plywood panels can be machined according to customer specification on request.

PACKING
Metsä Wood Deck XL panels are packed in moisture-resistant plastic wrapping. The panel wear face is facing up in the packing.

PACKING QUANTITIES

<table>
<thead>
<tr>
<th>PANEL SIZE (mm)</th>
<th>NUMBER OF PANELS PER PALLET BY THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000 x 2200</td>
<td>60</td>
</tr>
<tr>
<td>4000 x 2200</td>
<td>45</td>
</tr>
<tr>
<td>5400 x 2200</td>
<td>30</td>
</tr>
<tr>
<td>6000 x 2200</td>
<td>25</td>
</tr>
</tbody>
</table>

FURTHER INFORMATION
- Metsä Wood Transport brochure