Metsä Wood Granit is birch plywood panel overlaid with special decorative overlay. The panel surface has wire mesh or raised Top pattern. High visual quality and wear-resistant surface makes Granit durable, multipurpose plywood flooring panel. Metsä Wood Granit is available in standard, Large and XL sizes.

APPLICATIONS
Metsä Wood Granit is an ideal panel for applications that require visual high quality surfaces:
- Granit has been developed for especially light transport end uses

OVERLAY
The film surface is semi-glossy, hard and resistant to impact and abrasion. Granit surface has grey decorative print. The smooth dark brown phenolic film is applied to the reverse side as a backer.

The surface options are:
- Metsä Wood Granit Deck: wire mesh pattern
- Metsä Wood Granit Top: raised round pattern

MAJOR ADVANTAGES
- Slip resistant wire mesh surface
- 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

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

SURFACE PROPERTIES
The surface is hard and resistant to abrasion. The surface is also UV light and moisture resistant, and can tolerate commonly used chemicals as well as diluted acids and alkalis. The surface is easy to clean.

ABRASION RESISTANCE OF METSÄ WOOD GRANIT (VALUES ARE INDICATIVE AND VALID FOR NEW UNUSED PANELS)

<table>
<thead>
<tr>
<th>TABER REVOLUTIONS*</th>
<th>Granit</th>
</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td></td>
</tr>
</tbody>
</table>

* Abrasion resistance is tested according to EN 438-2 / DIN 53799

Metsä
EDGE SEALING
Panel edges are sealed against moisture absorption with acrylic edge sealing paint. The standard colour of the edge sealing is grey. Even though edge sealing slows down the absorption of moisture into the wood, it does not eliminate it completely.

PANEL SIZES
Metsä Wood Granit 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 Granit L is available in sizes:

- 1870 x 4110 mm
- 1870 x 1870 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

<table>
<thead>
<tr>
<th>PANEL SIZE</th>
<th>LENGTH / WIDTH</th>
<th>TOLERANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1000 mm</td>
<td>±1 mm</td>
<td></td>
</tr>
<tr>
<td>1000-2000 mm</td>
<td>±2 mm</td>
<td></td>
</tr>
<tr>
<td>&gt; 2000 mm</td>
<td>±3 mm</td>
<td></td>
</tr>
</tbody>
</table>

Squareness

<table>
<thead>
<tr>
<th>PANEL SIZE</th>
<th>SQUARENESS TOLERANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1200 / 1220 / 1250 mm</td>
<td>±0.1 % or ±1 mm/m</td>
</tr>
<tr>
<td>1500 / 1525 mm</td>
<td>±0.1 % or ±1 mm/m</td>
</tr>
</tbody>
</table>

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 (pcs)</th>
<th>THICKNESS TOLERANCE</th>
<th>WEIGHT (kg/m²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>7</td>
<td>8.6 – 9.5</td>
<td>6.1</td>
</tr>
<tr>
<td>12</td>
<td>9</td>
<td>11.5 – 12.5</td>
<td>9.2</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>
</tr>
<tr>
<td>21</td>
<td>15</td>
<td>20.0 – 20.9</td>
<td>14.3</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.

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

The gluing meets the requirements of the following international standards:
- EN 314-2 / Class 3 (exterior)
- DIN 68705-3 / BFU 100
- BS 6566 Part 8 / WBP

FORMALDEHYDE EMISSIONS
Determined according to EN 717-2, the formaldehyde emitted by Metsä Wood Granit falls far below the Class E1 requirement of ≤ 3.5 mg/(m²*h). The formaldehyde emission of Metsä Wood Granit is approximately 0.6 mg/(m²*h).

PANEL STRENGTH PROPERTIES
Metsä Wood Granit 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 Granit Declaration of Performance (DoP). DoP documents can be downloaded from www.metsawood.com/dop.

Due to the scarf jointed core plywood, the strength values of Metsä Wood Granit 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. Granit Deck XL strength and elasticity properties can be found in the Metsä Wood Deck XL Product Data Sheet.

MACHINING
Metsä Wood Granit plywood panels can be machined according to customer specification on special request.

PACKING
Metsä Wood Granit plywood panels are packed in moisture resistant plastic wrapping.

PACKING QUANTITIES

<table>
<thead>
<tr>
<th>PANEL SIZE</th>
<th>NUMBER OF PANELS PER PALLET BY THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500 / 1525 x 2400 – 3660</td>
<td>9</td>
</tr>
<tr>
<td>1200 / 1220 / 1250 x 2850 – 3660</td>
<td>65</td>
</tr>
<tr>
<td>1500 / 1525 x 1500 – 2135 1200 / 1220 / 1250 x 1200 – 2800</td>
<td>100</td>
</tr>
<tr>
<td>1870 x 4110 1870 x 1870</td>
<td>50</td>
</tr>
</tbody>
</table>

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

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* PEFC/02-31-03