100% European Birch Plywood Flooring for RT Applications

NEW RANGE

aalco®
The UK’s largest independent multi-metals stockholder
Aalco stocks a wide range of 100% European Birch, FSC certified anti-slip plywood products offering customers a much improved choice for their RT flooring needs.

Our anti-slip flooring features quality European birch plywood in which veneers are bonded with phenolic “weather and boil proof” glue lines throughout known as WBP plywood. The anti-slip face is produced with a heavier weight of phenolic film or multi layer special film pressed with a patterned platen (MESH, HEXA or TRANS) to create a slip-resistant surface.

Benefits

- **Slip Resistance**
  The patterned film face provides slip resistance and a hard-wearing surface. Taber Test results (see page 5) show the range of results/options available.

- **Predictable Performance**
  Tight Quality Control in selection of materials and manufacture ensures consistent performance.

- **Stability**
  The high temperature pressing of 1.4mm thick birch veneers together with the thick film face gives long life and wear resistance.

- **Film Faced Reverse**
  The smooth film face on the reverse provides protection from damp environments.

- **Environmentally Friendly**
  Our anti-slip plywood is FSC certified.

Guidance for installation

- **Resealing of Cut or Drilled Areas**
  Our phenolic anti-slip plywoods are edge sealed at the factory. For long life, all cut edges and drilled holes must be sealed before fixing. Water entering unsealed areas can cause localised swelling and reduce the service life of the plywood.

- **Fixings**
  Galvanised or stainless steel fixings will resist corrosion and unsightly damage to the board.

- **Mechanical Support**
  Adequate mechanical support will prevent excessive flexing of the board in service and reduce the possibility of fracturing the phenolic coating.

- **Regular Maintenance**
  The boards require minimal maintenance in normal use. However, removal of any build-up of dirt and algae on the mesh surface will prevent reduction of slip resistance.
**AalcoMesh** is a top quality, mesh-patterned birch plywood panel that has been most commonly available on the market for many years. With very good slip and wear resistance and a long life the **AalcoMesh** pattern remains the most popular choice for many RT flooring applications.

**Sheet Sizes (mm)**

- 1220 x 2500
- 1220 x 3050
- 1500 x 3000
- 1525 x 3050
- 1525 x 2440
- 1525 x 3300

**Thickness available:**

9mm – 30mm

The above sizes are stocked in the standard dark brown with 220g/m². Other options: cut size, CNC machining, T&G, different film grammages and colours, special construction available on request. Original Aalco Flooring panels can be recognised by the RT logo imprinted on the smooth side of plywood. Plywood without logo is also available on a forward order basis.
Aalco HexaGrip offers an improved slip and wear resistance combined with a decorative appearance of hexa pattern. Quality birch plywood overlayed with 220g/m² phenolic film to the face, backed with 120g/m² balancer, makes Aalco HexaGrip an excellent RT flooring panel.

### Sheet Sizes (mm)

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AalcoTrans is a solution for demanding RT flooring applications where anti-slip properties and high wear resistance are the most desired factors.

Manufactured in Europe, AalcoTrans offers the durability of birch plywood combined with the special, hard wearing thick multi layer film with the imprinted waffle (square) pattern which offer one of the highest Taber Value on the market, over 10,000 rounds (based on independent lab test).

<table>
<thead>
<tr>
<th>Sheet Size (mm)</th>
<th>Thickness (mm)</th>
<th>Weight per Sheet (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1220 x 2500</td>
<td>18</td>
<td>43</td>
</tr>
<tr>
<td>1220 x 2500</td>
<td>24</td>
<td>48</td>
</tr>
</tbody>
</table>

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Technical Data

- **Product**
  Phenol film faced plywood in which film is applied by hot pressing

- **Structure**
  Cross built construction plywood

- **Material**
  European birch plywood, FSC certified

- **Covering**
  AalcoMesh - Dark brown phenol film (anti-slip side 220g/m², reverse 120g/m²)
  Aalco HexaGrip - Dark brown phenol film (anti-slip side 220g/m², reverse 120g/m²)
  AalcoTrans - Black hard wearing multilayer film (anti-slip side thick multilayer, reverse 120g/m²)

  Acrylic, water resistant paint for painting of the edges – on request.

Taber Test Value

<table>
<thead>
<tr>
<th>Product</th>
<th>Film Thickness (mm)</th>
<th>Colour</th>
<th>Taber Test Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>AalcoMesh</td>
<td>220g/m²</td>
<td>Dark Brown</td>
<td>600</td>
</tr>
<tr>
<td>Aalco HexaGrip</td>
<td>220g/m²</td>
<td>Dark Brown</td>
<td>600</td>
</tr>
<tr>
<td>AalcoTrans</td>
<td>special hard wearing film</td>
<td>Black</td>
<td>10400</td>
</tr>
</tbody>
</table>

- **Length and Width Tolerance**
  Tolerance according to EN 315 ± 3.5mm

Thickness Tolerances (to EN 315)

<table>
<thead>
<tr>
<th>Nominal Thickness (t) mm</th>
<th>Tolerance on Nominal Thickness (mm)</th>
<th>Tolerance Within One Panel (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>≥ 6.5</td>
<td>+(0.2 + 0.03 t) -0.4 + 0.03 t</td>
<td>0.6</td>
</tr>
<tr>
<td>≤ 25</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; 25</td>
<td>+(0.0 + 0.05 t) -0.4 + 0.05 t</td>
<td>0.8</td>
</tr>
<tr>
<td>≤ 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; 30</td>
<td>+(0.0 + 0.03 t) -0.4 + 0.03 t</td>
<td></td>
</tr>
</tbody>
</table>

- **Squareness**
  2mm / 1m
Quality Requirements

<table>
<thead>
<tr>
<th>Categories of Characteristic</th>
<th>Range of Tolerance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mat Spots</td>
<td>permitted up to 20cm², up to a number 2pcs / 1m²</td>
</tr>
<tr>
<td>Scratch e.g. because of pressing plate</td>
<td>permitted occasionally</td>
</tr>
<tr>
<td>Cracks of film on middle of board or through board</td>
<td>not permitted</td>
</tr>
<tr>
<td>Defects at the edge of the panel due to cracks of film and parting</td>
<td>permitted up to 2mm from the edges</td>
</tr>
<tr>
<td>Streak, fogging colour on film surface</td>
<td>permitted</td>
</tr>
<tr>
<td>Visible unevenness because of the surface of the wood</td>
<td>permitted</td>
</tr>
</tbody>
</table>

ATTENTION! Sunlight exposure can change the colour of the film.

- **Distortion – cup, bow, twist**
  In plywood up to 10mm thick distortion is not taken into consideration so the distortion is unlimited.
  In plywood 10mm thick and thicker distortion is permitted up to 10mm / 1m of length.

- **Bonding quality**
  Bonding quality acc. to PN-EN 314-2/class 3 (DIN BFU 100, BS 1203 WBP)

- **Formaldehyde release**
  Class E1 acc. to PN-EN 636

- **Moisture content plywood**: 4-12%
  (Other conditions can be agreed between the parties.)

**Approvals**

- Aalco source this product range from one manufacturer, PAGED Sklejka S.A. in Poland, a leading European manufacturer of Plywood products with manufacturing processes and procedures conforming to all relevant standards.

- The company’s Integrated Management System is approved to **ISO 9001: 2008**

- Environmental Procedures are approved to **EN ISO 14001: 2009**

- Health & Safety Procedures are approved to **PN-N 18001: 2004**

- FSC Certified for Chain of Custody (CoC) to **FSC-STD-40-004 V2-1 October 2011**
Aalco also stocks a full range of aluminium and stainless steel flooring products. Full details can be found on the web site and in the RT Catalogue

www.aalco.co.uk