**DIFFUSION PANEL**

**WOODFOIL® Ab**

**DESCRIPTION**

The Woodfoil® Ab is a slighly concave diffusion panel, made of varnished birch plywood on a soft wood structure. This diffuser is great to be used in concert halls, such as theatres and auditoriums, and is ideal for building acoustic diffusion shells.

This model has two options: the Woodfoi® Ab diffusion panel, which is made of plain birch plywood, and the Woodfoil® Ab, which has different holes that provide it with a higher absorption coefficient.

Its formal allows us to make the appropriate adjustment, by using several panels and positions through 90º rotations, in order to obtain the goals required for each room.

Both the angle and the gyrate of this piece were calculated to provide a more versatile use. When using multiple pieces jointly, the angle of incidence never is too convergent, thus providing a homogenous scattering diffusion of sound energy, which contrasts with other models from our brand that have a different development conception.

The Woodfoil® Ab is available in various wood finishings or regular colours, as an option, thus allowing an appropriate background for each space. The mounting process is rather easy by simply using the docking accessories that are supplied.

**FEATURES**

- Manufactured with Birch Plywood.
- NRC: 0.23/m² (WFL060); 0.62/m² (WFL060Ab).
- Woodfoil® Ab Average diffusion: 0.65/m² (>100Hz <5KHz).
- Woodfoil® Ab Average absorption: 0.05/m² (>100Hz <5KHz).
- Fire-resistance: Euroclass B-s2,d0 (similar to old M1).
- Two options: Woodfoil® (diffuser) Woodfoil® Ab (diffusion with absorption characteristics).
- Installation: accessories included.

**DIFFUSION - ABSORPTION COEFFICIENT**

<table>
<thead>
<tr>
<th>Model</th>
<th>50</th>
<th>63</th>
<th>80</th>
<th>100</th>
<th>125</th>
<th>160</th>
<th>200</th>
<th>250</th>
<th>315</th>
<th>400</th>
<th>500</th>
<th>630</th>
<th>800</th>
<th>1k</th>
<th>1.25k</th>
<th>1.6k</th>
<th>2k</th>
<th>2.5k</th>
<th>3.15k</th>
<th>4k</th>
<th>5k</th>
<th>6.3k</th>
<th>8k</th>
<th>10k</th>
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<tbody>
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<td>0.04</td>
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<td>0.20</td>
<td>0.21</td>
<td>0.22</td>
<td>0.23</td>
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**DIFFUSION PANEL**

**WOODVENER FINISHINGS**

- **PINE**
- **OAK**
- **CHERRY**
- **HARDWOOD**
- **WENGE**
- **BLACK-BROWN**

**IMPORTANT NOTICES**

- JOCAVI accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown in this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process.
- Due to its natural origin, wood-based products will always present natural imperfections inherent to the organic nature. And for similar reasons, they will also present traces of old-age in the course of time.
- Colours may vary due to raw-material suppliers’ changes and some differences may occur in tonal range.
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- Values [<100Hz and > 5K] are Non Standard Values.

**TECHNICAL DRAWINGS**

**MODELS AND SIZES**

<table>
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<tr>
<th>MODELS</th>
<th>HEIGHT</th>
<th>WIDTH</th>
<th>DEPTH</th>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>WFL060</td>
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<td>60 cm</td>
<td>19 cm</td>
<td>2.9 Kg</td>
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<tr>
<td>WFL060Ab</td>
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<td>60 cm</td>
<td>19 cm</td>
<td>2.8 Kg</td>
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</table>

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