ARCHTRAP® ABSORBTION PANEL

DESCRIPTION

The ARCHTRAP® is a flat-shaped acoustic absorbent panel, made with birch plywood on a calculated absorbent box. This panel is meant to absorb mid-low range frequencies. Its shape is the same as the ATP® Snowrock® and both can be used together to achieve numerous sound absorption solutions.

We can make several different aesthetic effects by rotating the panels 90° degrees and positioning them according to one’s taste and to the room requirements. As this panel is made of varnished birch plywood, it also provides some scattering diffusion. When using multiple pieces jointly, the angle of incidence never is too convergent which leads to a homogenous sound scattering.

This piece is available in various wood finishings or regular colours, thus allowing an appropriate background for each space. The mounting process is rather easy by simply using the docking accessories’ screws that are supplied.

FEATURES

- Manufactured in birch plywood.
- NRC: 0.63/m².
- Average diffusion: 0.48/m² (>100Hz<5KHz).
- Fire-resistance: Euroclass B-s2,d0 (similar to old M1).
- Recyclable.
- Installation: accessories included.
- Several colours available.

DIFFUSION - ABSORPTION COEFFICIENT

<table>
<thead>
<tr>
<th>Hz</th>
<th>50</th>
<th>63</th>
<th>80</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>6k</th>
<th>8k</th>
<th>10k</th>
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<td>0.05</td>
<td>0.15</td>
<td>0.23</td>
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<td>0.38</td>
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<td>0.39</td>
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<td>0.50</td>
<td>0.51</td>
<td>0.54</td>
<td>0.59</td>
<td>0.61</td>
<td>0.62</td>
<td>0.60</td>
<td>0.59</td>
<td>0.58</td>
<td>0.55</td>
<td>0.56</td>
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<td>0.57</td>
<td>0.54</td>
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</tr>
</tbody>
</table>

DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory.

WOOD VENEER FINISHINGS

- CHERRY
- MAHOGANY
- BLACK
- BROWN
- BLUE
- GREEN
- GREY
- PURPLE
- RED
- ORANGE
- GREEN
- BLACK-BROWN

IMPORTANT NOTICES

- ARCHTRAP® accepts no responsibility for any typing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require.
- The colours shown in the catalogues 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.
- Wood and Fabric products are highly susceptible to changes in appearance with humidity and temperature. Close attention must be paid to the storage conditions and the acclimatization before, during and after the installation.
- The absorption coefficients shown in the catalogues are values for sound absorption in the range of 250-2500 Hz.
- The absorption coefficient is measured in the laboratory. The values obtained in the laboratory are not always exactly the same as those obtained in the field. Notwithstanding, these results are very close to reality.
- The absorption coefficient values shown are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions. These results are applicable to the absorption of sound in spaces with normal dimensions.
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