ACOUSTIC CEILING AND WALL PANEL

Akustex acoustic ceiling and wall panels are rigid, high density glass fibre panels with laminated texture finish.

It offers:

- Excellent noise absorption
- High resistance to humidity - non sagging
- Easy to install - DIY feasible
- Factory laminated - even finish and no delamination
- Cleanable surface - using vacuum cleaner or damp sponge
- Compliance to BS 476 Class 'O' fire classification

With wide selection of finishing textures, Akustex acoustic ceiling and wall panels can be used as decorative wall panels or elegant finishes suspended ceilings. The finishing texture is determined based on application requirements such as sound absorption, impact resistance as well as aesthetic considerations.

Akustex acoustic ceiling and wall panels are used extensively in commercial, public and private buildings whereby acoustic absorption is desired. Akustex offers high noise reduction coefficient (NRC) ranging from 0.65 to 0.9. Hence, undesirable echoes are immediately reduced, resulting in short reverberation time.
Akustex comprises mainly two finishing surfaces, namely microporous paint finish and hessian fabric. Other finishes are available upon request. Akustex is suitable for use in:

- Multi purpose hall
- Auditorium
- Lecture theatre
- Music Room
- Conference Room
- Studio
Installation

Akustex products are installed by suspending the product onto metal T-grid or fastening them to the wall. For wall installation, the fixing surface must be even, fastened by using wood-stud or metal T-grid.

Maintenance

Akustex fabric finishes can be cleaned with a vacuum cleaner or dry cloth.

Fire Rating

Building regulation - comply to British standard BS 476 parts 6 and 7 - Class 0 Fabric tested to BS5852 1989 Part "1" Source "0" Code Cigarette

Ceiling Selection

Microporous Paint

Wall Selection

- Wood
- Hibiscus
- Jasmine
- Orchid
- Daisy
- Cactus
- Sakura
- Rose

Black Tissue
Technical Specification

<table>
<thead>
<tr>
<th>Product Size</th>
<th>2' x 4' (603 mm x 1212 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>15 mm, 20 mm and 50 mm</td>
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<tr>
<td>Weight</td>
<td>1.15 kg per 20 mm x 603 mm x 1212 mm panel (80 kg/m³)</td>
</tr>
<tr>
<td>Thermal Conductivity No.</td>
<td>0.0332 W/MK</td>
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<tr>
<td>Fire Classification</td>
<td>Core product is class 'O' fire rating (non-combustible) as per BS Standard 476 Part 6 &amp; 7</td>
</tr>
</tbody>
</table>

Sound Absorption Coefficient as measured in accordance to ASTM 423-90a.

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Finish</th>
<th>Mounting</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1 kHz</th>
<th>2 kHz</th>
<th>4 kHz</th>
<th>4 kHz</th>
<th>NRC</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 mm</td>
<td>Glass tissue</td>
<td>With AIRGAP</td>
<td>0.26</td>
<td>0.65</td>
<td>0.79</td>
<td>0.68</td>
<td>0.84</td>
<td>0.92</td>
<td>0.74</td>
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<tr>
<td>20 mm</td>
<td>Glass tissue</td>
<td>With AIRGAP</td>
<td>0.71</td>
<td>0.68</td>
<td>0.78</td>
<td>0.84</td>
<td>0.92</td>
<td>0.89</td>
<td>0.81</td>
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</tr>
<tr>
<td>20 mm</td>
<td>Fabric</td>
<td>Without AIRGAP</td>
<td>0.06</td>
<td>0.38</td>
<td>0.62</td>
<td>0.87</td>
<td>0.85</td>
<td>0.65</td>
<td>0.68</td>
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</tr>
<tr>
<td>20 mm</td>
<td>Fabric</td>
<td>With AIRGAP</td>
<td>0.41</td>
<td>0.59</td>
<td>0.66</td>
<td>0.81</td>
<td>0.77</td>
<td>0.64</td>
<td>0.71</td>
<td></td>
</tr>
<tr>
<td>50 mm</td>
<td>Fabric</td>
<td>Without AIRGAP</td>
<td>0.16</td>
<td>0.74</td>
<td>0.97</td>
<td>0.92</td>
<td>0.93</td>
<td>0.95</td>
<td>0.89</td>
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