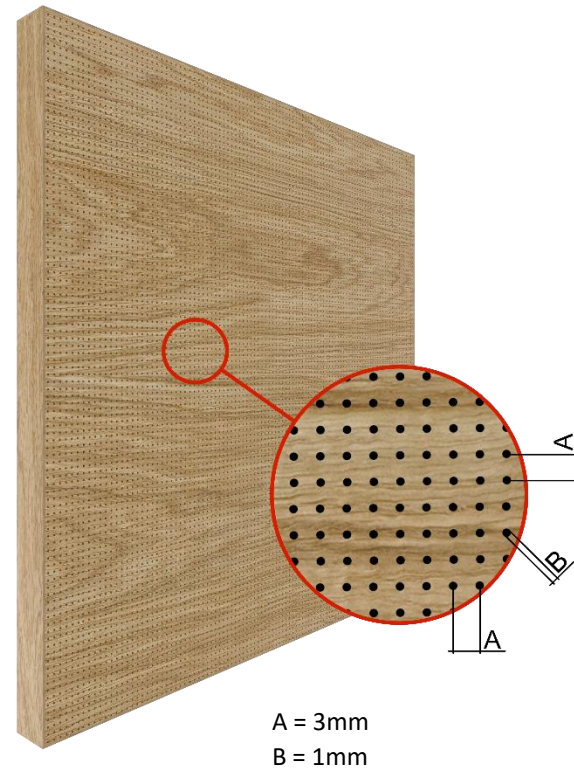


# MicroSound-1

## Specification Text

This innovative product line merges the most up-to-date design aesthetic with high performing sound absorption capabilities. This panel system can be used on both wall and ceiling applications. The three-part layered technology provides ultimate sound absorption varying with different perforation sizes.



|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Type                 | Burke Acoustics Microsound 1                            |
| Hole Diameter        | 1,0mm                                                   |
| Distance hole centre | 3,0mm / 3,0mm Parallel                                  |
| Core/substrate       | MDF / MDF Fire Rated / Plywood / Gypsum fibre board     |
| Edges                | Industrial saw cut, Edge banded                         |
| Edge shape           | Squared flat / Edge banding (ABS 2mm, veneer), Profiled |
| Acoustic felt        | Black (not visible)                                     |
| Thickness            | 16mm - 20mm                                             |

# MicroSound-1

| Dimensions           | Standard: 600 x 600mm / 2400 x 1200mm / 2760 x 1200mm<br>Maximum: 3000mm x 1200mm                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------|--------------|--------------|--------|-----|-------|-------|------|------|------|------|-----------------|------|------|------|---------|------|------|------|-----|------|------|------|-----|------|------|------|
| Surface              | HPL / CPL, Veneer, Colour lacquer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Surface treatment    | Lacquered Matt (25% sheen), Dull Matt (10% sheen), Transparent (veneer only)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Veneer Direction     | Along length / Along width                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Joints               | 1mm - 50mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Installation System  | <i>Wall:</i> Metal profiles to hang on the wall for non-visible installation<br><br><i>Ceiling:</i> T15 or T24 (others on request)                                                                                                                                                                                                                                                                                                                                                                                                        |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Fire behaviour       | D-s3,d2 (normal flammability)<br>B-s1,d0 (Veneer, Lacquer)<br>B-s2,d0 (Laminate)<br>A2-s1,d0 (Core material only)                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Acoustics absorption | <table><thead><tr><th><i>Built up</i></th><th><i>50mm</i></th><th><i>220mm</i></th><th><i>420mm</i></th></tr></thead><tbody><tr><td>Cavity</td><td>0mm</td><td>150mm</td><td>350mm</td></tr><tr><td>Wool</td><td>30mm</td><td>50mm</td><td>50mm</td></tr><tr><td>Panel thickness</td><td>20mm</td><td>20mm</td><td>16mm</td></tr><tr><td>Alpha w</td><td>0,82</td><td>0,93</td><td>0,94</td></tr><tr><td>NRC</td><td>0,85</td><td>0,95</td><td>0,90</td></tr><tr><td>SAA</td><td>0,84</td><td>0,94</td><td>0,90</td></tr></tbody></table> | <i>Built up</i> | <i>50mm</i>  | <i>220mm</i> | <i>420mm</i> | Cavity | 0mm | 150mm | 350mm | Wool | 30mm | 50mm | 50mm | Panel thickness | 20mm | 20mm | 16mm | Alpha w | 0,82 | 0,93 | 0,94 | NRC | 0,85 | 0,95 | 0,90 | SAA | 0,84 | 0,94 | 0,90 |
| <i>Built up</i>      | <i>50mm</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <i>220mm</i>    | <i>420mm</i> |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Cavity               | 0mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 150mm           | 350mm        |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Wool                 | 30mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 50mm            | 50mm         |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Panel thickness      | 20mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 20mm            | 16mm         |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| Alpha w              | 0,82                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,93            | 0,94         |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| NRC                  | 0,85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,95            | 0,90         |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| SAA                  | 0,84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0,94            | 0,90         |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |
| DoP                  | Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |              |              |              |        |     |       |       |      |      |      |      |                 |      |      |      |         |      |      |      |     |      |      |      |     |      |      |      |