BuzziResoFuser
Product Specification Sheet

This document contains technical information about the BuzziResoFuser

www.buzzi.space
**Acoustic wall module**
The BuzziResoFuser is designed to improve the audibility of speech in an enclosed space. Combined with BuzziTile 3D or BuzziBrickBack, a tasteful wall finish can be created. BuzziResoFuser operates on the basis of the quarter wavelength system. This means that the BuzziResoFuser must always be installed ‘alternately’. In this way, the apertures remain visible at all times. By creating a draughtboard pattern, the tops and bottoms remain open. The BuzziResoFuser is attached to the wall with a hook batten. By changing the position of the partitions in the grooves at the back of the BuzziResoFuser, it is possible to absorb frequencies efficiently. This can be done by placing three partitions at the same level or at differing heights. To determine which frequencies have to be absorbed in the room, a reverberation time measurement has to be taken. The frequencies that remain in the room for longer periods have to be absorbed. The frequencies can be read on the back of the BuzziResoFuser. These frequencies have a specific bandwidth, which means that a frequency can always be chosen that is close to the problem frequency measured in the room.

Design by BuzziSpace Studio

### General

- **BuzziResoFuser**
  - 2 x BuzziResoFuser - black or white MDF
  - 4 x BuzziTile 3D L upholstered in Fabric, Rough, Trevira CS+ | CS, Revive 1, Revive 2 or 4 x BuzziBrickBack (color sliced BuzziFelt)
  - W 120 cm   H 120 cm   D 10 cm
  - W 47.24”   H 47.24”   D 3.94”
- Wall mounted only

### Acoustics

- Absorption
- Diffusion

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Configurations

BuzziResofuser

- **BuzziResofuser**

  Package BuzziTile 3D:
  2 x BuzziResoFuser - black or white MDF
  4 x BuzziTile 3D - L upholstered in Fabric, Rough, Trevira CS+ | CS, Revive 1, Revive2

- **BuzziBrickBack**

  Package BuzziBrickBack:
  2 x BuzziResoFuser - black or white MDF
  4 x BuzziBrickBack (color sliced BuzziFelt)

  BuzziResofuser:  W 60 cm  H 60 cm  D 10 cm
  W 23.62” H 23.62” D 3.94”

  BuzziTile 3D or Brickback:  60 cm x 60 cm
  23.62” x 23.62”

  BuzziResofuser:  9 kg | 19.84 lbs

  BuzziTile 3D L: back in felt:  ± 1 kg | ± 2.20 lbs
  BuzziBrickBack:  ± 1,1 kg | ± 2.43 lbs
Patterns

BuzziTile L

<table>
<thead>
<tr>
<th>Flat</th>
<th>1SQ</th>
<th>4SQ</th>
<th>25SQ</th>
<th>Arrow</th>
</tr>
</thead>
</table>
| H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” |

<table>
<thead>
<tr>
<th>Bee</th>
<th>Dune</th>
<th>Frost</th>
<th>Leaf</th>
<th>Lips</th>
</tr>
</thead>
</table>
| H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” |

<table>
<thead>
<tr>
<th>Radial</th>
<th>Rib</th>
<th>Spike</th>
<th>Waffle</th>
</tr>
</thead>
</table>
| H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” | H 60 cm  W 60 cm  
H 23.62” W 23.62” |
Finishes BuzziBrickBack

Sliced Felt

**Composition** 100% Recycled P.E.T. Felt

### Unicolor

- Lime | Lime
- Orange | Orange
- Red | Red
- Pink | Pink
- EcoBrown | EcoBrown
- LightBlue | LightBlue
- StoneGrey | StoneGrey
- Anthracite | Anthracite
- OffWhite | OffWhite
- Curry | Curry
- Jeans | Jeans
- Mokka | Mokka
Bicolor

OffWhite | Lime
OffWhite | Orange
OffWhite | Red
OffWhite | Pink
OffWhite | EcoBrown

Offwhite | LightBlue
Offwhite | StoneGrey
OffWhite | Anthracite
OffWhite | Curry
Offwhite | Jeans

Offwhite | Mokka
Multicolor

Grass
LightBlue
OffWhite
Lime

Savannah
LightBlue
EcoBrown
Orange

Colibri
LightBlue
StoneGrey
Pink

Toendra
LightBlue
StoneGrey
Lime

Tukan
LightBlue
Lime
StoneGrey
Red
EcoBrown
Orange
Pink
Anthracite
OffWhite
Curry

Zebra
Anthracite
StoneGrey
OffWhite

Jane
Anthracite
StoneGrey
EcoBrown
OffWhite
White
Red

Sigma
Anthracite
StoneGrey
OffWhite
White
Orange
EcoBrown
Fixing System

Fixing System Resofuser

2 x 2 wooden brackets (excl. screws)
L 16.4 cm  H 5 cm  D 1.8 cm
L 6.46”  H 1.97”  D 0.71”

Fixing System Tile

Self-adhesive tape

Fixing System BrickBack

Self-adhesive tape
### Dimensions

#### ResoFuser

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>60 cm</td>
</tr>
<tr>
<td>BuzziSpace</td>
<td></td>
</tr>
<tr>
<td>BuzziResoFuser</td>
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</table>

#### BuzziTile

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>± 2,6 cm</td>
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<tr>
<td>± 0,7 cm</td>
<td></td>
</tr>
<tr>
<td>± 1.02&quot;</td>
<td></td>
</tr>
<tr>
<td>± 0.28&quot;</td>
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</table>

#### BuzziBrickBack

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>± 0.6 cm</td>
</tr>
<tr>
<td>± 0.6 cm</td>
<td></td>
</tr>
<tr>
<td>± 0.24&quot;</td>
<td></td>
</tr>
<tr>
<td>± 0.24&quot;</td>
<td></td>
</tr>
</tbody>
</table>
Acoustics

BuzziResofuser
Absorption coefficient

Absorption Values

$\alpha_w$ (ISO 11654) \hspace{1cm} 0.95

NRC (ASTM - C423) \hspace{1cm} 1

SAA (ASTM-C423) \hspace{1cm} 1

Class (ISO 11654) \hspace{1cm} A