

# Büro Bischof Bern

## Bureau Perrenoud SA



bigla

ergodata  
Mobilität für Menschen

girsberger

brunner ::

BELUX

BUZZI  
SPACE

PREFORM

interstuhl

Rue des cygnes 27 | CH-2503 Bienne | T 032 329 16 16 | [info@bureau-perrenoud.ch](mailto:info@bureau-perrenoud.ch) | [bureau-perrenoud.ch](http://bureau-perrenoud.ch)

## **BuzziResoFuser**

BuzziResoFuser - 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.

The operating frequency of the BuzziResoFuser is adjustable. 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.

Fitting two BuzziResoFusers together creates a longer cavity and even lower tones can be absorbed. The important thing here is that the apertures of the BuzziResoFusers are open.



