



BEDDELEEM

SYSTEM DESCRIPTION V1802



— JB ABSORB
WALL



Work hard in
silence, let succes
be your noise

Frank Ocean

— JB ABSORB WALL

Acoustic comfort is an increasingly important aspect of finishing works.

Beddeleem offers a range of sound absorbent solutions which can help to improve spatial acoustics. An extensive offer of diverse decorative perforations, materials and solutions for every application.

This brochure presents the various perforations and options, and their potential applications.

BEDDELEEM

— JB ABSORB WALL



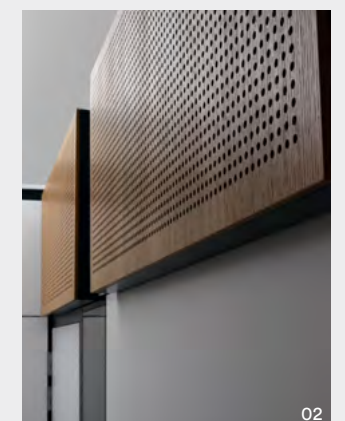
Acoustic absorption

Beddeleem presents 3 applications:

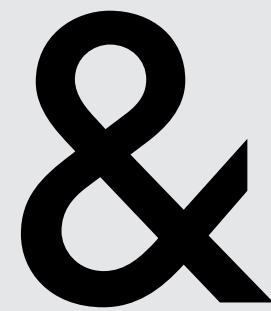
- 01 — Wall cladding
- 02 — Cassettes
- 03 — Slatted system

Then choose from the possible perforations and designs:

- Mirco
- Rondo
- Linea
- Soft
- Metal rondo
- Metal square

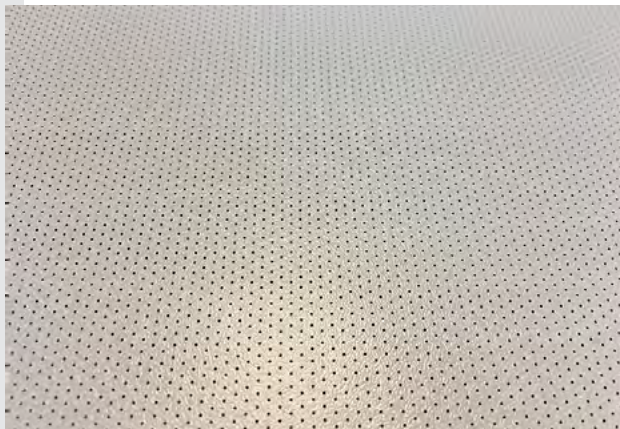


Perforations



versions—

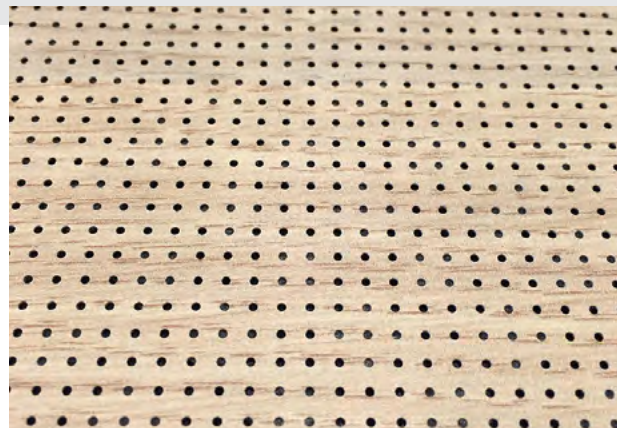
01 — Micro 0,5



Micro-perforation with 0.5 mm holes set at a distance of 1.8 mm. Plane material 19 mm. The degree of perforation is 6.1%.

Only available in HPL top coat (ask about our specific range).

02 — Micro 1



Micro-perforation with 1 mm holes set at a distance of 3 mm. Plane material 19 mm. The degree of perforation is 8.7%.

Only available in HPL top coat (ask about our specific range).

03 — Rondo



Micro-perforation with 8 mm holes set at a distance of 16 mm. The degree of perforation is 16%. Plate material 18 mm or in accordance with the selected finish.

Available in HPL or veneer finish from the Beddeleem partition collection.

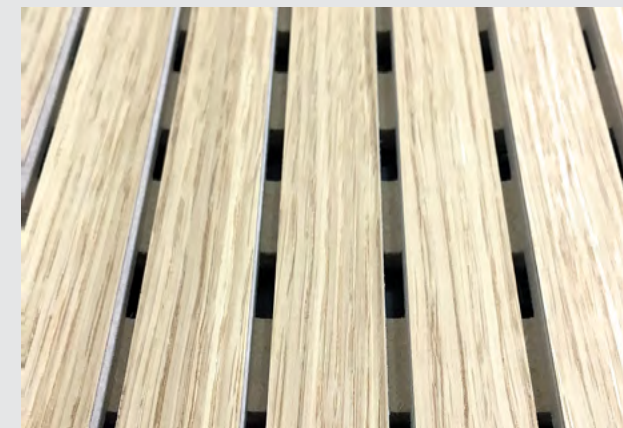
04 — Linea S



The visible side has continuous 2.8 mm grooves across set at a distance of 13.2 mm. The rear has a transversally grooved finish. The degree of perforation is 8.75%.

Available in HPL, veneer or painted finish (ask about our specific range).

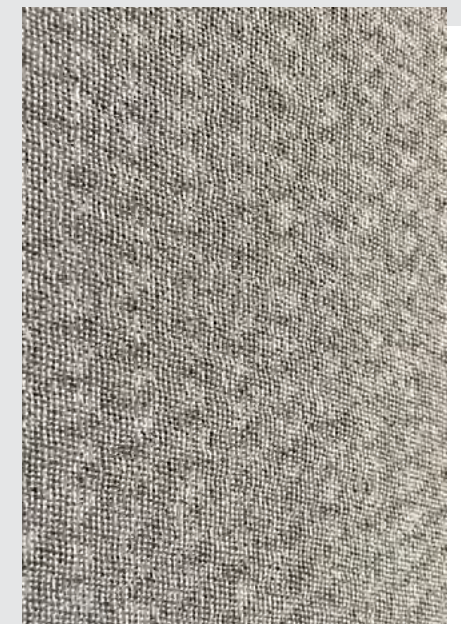
05 — Linea M



The visible side has continuous grooves 5 mm across set at a distance of 25 mm. The rear has a transversally grooved finish. The degree of perforation is 8%.

Available in HPL or veneer finish from the Beddeleem partition collection.

06 — Soft

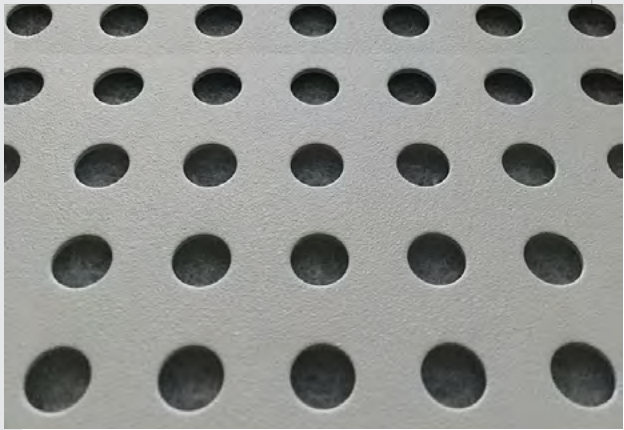


Perforated plate with acoustic open fabric finish.

Fabric available in five colours.

Unite & combine

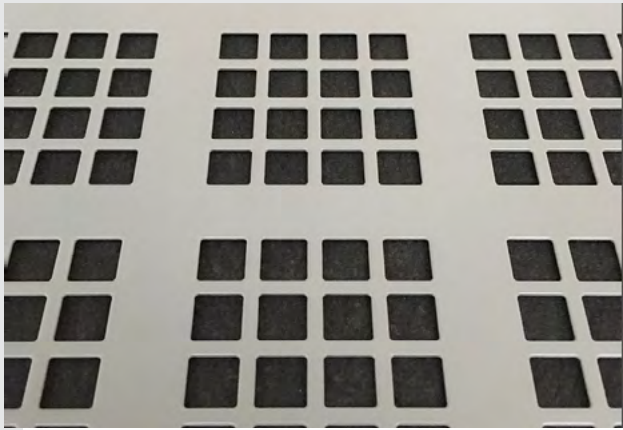
07 — Metal rondo



Micro-perforation with 8 mm holes set at a distance of 16 mm. Steel with a durable powder coating.

Available in any RAL colour and structure chosen from the Beddeleem partition collection.

08 — Metal square



Square perforations measuring 10 mm by 10 mm. The perforations are arranged in a 4x4 grid with a horizontal distance of 16.5 mm and a vertical distance of 14 mm. The degree of perforation is 35%

Available in any RAL colour and structure chosen from the Beddeleem partition collection.

PRODUCT INFORMATION WALL CLADDING

The system features a continuous steel top and bottom profile, 50 mm as standard at the bottom and 40 mm at the top, finished with a durable powder coating.

The panels are attached to a steel frame by hooks. These hooks guarantee rapid, easy assembly.

Perforation types and versions available:

MICRO
RONDO
LINEA
SOFT
METAL RONDO
METAL SQUARE

WIDTH

The standard module for this partition measures 1200 mm. (Other modules available on request)

HEIGHT

Max. partition height = 3000 mm*

*Max. partition height with micro perforation = 2900mm

THICKNESS

VZW 85
85 mm (perforated panel 18/20 mm + insulation 60 mm)

VZW 40
40 mm (perforated panel 18/20 mm + free air cavity)

BUILDING TOLERANCES

Thanks to the use of steel battens, the following building tolerances can be absorbed:

± 15 mm for the floor
± 15 mm for the ceiling

WEIGHT

VZW85 ca 20 kg/m²
VZW40 ca 15 kg/m²

PAINTWORK

All visible profiles are available in a choice of RAL colour and structure from the Beddeleem partition collection.

REACTION TO FIRE

If required, the material can meet fire class B-s2-d0. Only on application.

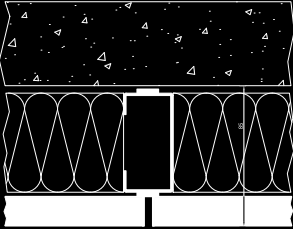
ACOUSTICS

Acoustic tests conducted in accordance with the European standard ISO 354 and values in accordance with ISO EN 11654 in accredited laboratories:

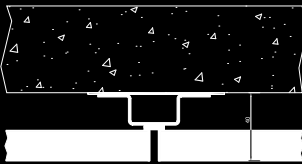
	EN ISO 11654	
	αw	Absorption class
Mirco 0.5	0.70	C*
Micro 1	0.70	C*
Rond	0.70	C
Linea	-	-
Soft	-	-
Metal rond	0.85	B
Metal square	0.90	A

Note:
All certificates and graphics available on request.

- tests in performance
* Tests performed on a hollow 50 mm space and extra damping with 30 mm insulation wool.



VZW 85 Horizontal cross-section



VZW 40 Horizontal cross-section

Cassettes consist of steel casings 50 mm deep, with a durable powder coating. These casings have decorative perforations or a perforated wooden front panel. The assembly has a sound-damping filling. Cassettes ensure quick installation and are a good solution to add extra absorption to an allready finished interior.

Perforation types and versions available:

- MICRO
- RONDO
- LINEA
- SOFT
- METAL RONDO
- METAL SQUARE

FIXING METHOD

OVER the partition
The cassette is fitted with a hook which hooks over an 18 mm panel. Ideal for use with our JB 2000 system.

AGAINST the partition
The cassette is supplied with a fixing bracket so that the assembly can be hung against a variety of wall types.

DIMENSIONS

Standard cassettes are 1200 mm by 600 mm (width x height). Other modules available on request, and depending on the perforation chosen.

WEIGHT

A standard cassette weighs ca 10 kg/m².

PAINTWORK

All visible profiles are available in a choice of RAL colour and structure. Ask for our sample card for the most recent range.

REACTION TO FIRE

If required, the material can meet fire class B-s2-d0. Only on application.

ACOUSTICS

Acoustic tests conducted in accordance with the European standard ISO 354 and values in accordance with the ISO EN 11654 standard in accredited laboratories:

	EN ISO 11654	
	aw	Absorption class
Mirco 0.5	0.70	C*
Micro 1	0.70	C*
Rond	0.70	C
Linea	-	-
Soft	-	-
Metal rond	0.85	B
Metal square	0.90	A

Note:
All certificates and graphics available on request.

- Tests in performance

* Tests performed on a hollow 50 mm space and extra damping with 30 mm insulation wool.

Grooved slats 192 mm wide are fitted together by a tongue and groove method.

This provides an invisible transition from one slat to the next.

The slats consist of an HPL top layer (0.9 mm) and a composite core in black waterproof 2 x 9 mm with black acoustic fleece. The backing is in 0.9 mm HPL.

Site solutions with inbuilt door and cabinet door assemblies are among the options.

Perforation types and versions available:

- LINEA

DIMENSIONS

Standard slats are 3030 mm by 192 mm (width x height).

WEIGHT

A standard cassette weighs ca 10 kg/m²

PAINTWORK

All visible profiles are available in a choice of RAL colour and structure. Ask for our sample card for the most recent range.

REACTION TO FIRE

If required, the material can meet fire class B-s2-d0. Only on application.

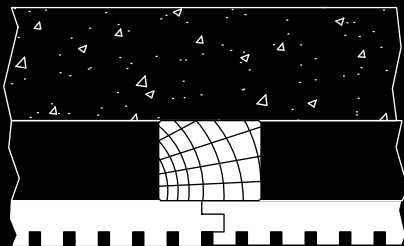
ACOUSTICS

Acoustic tests conducted in accordance with the European standard ISO 354 and values in accordance with the ISO EN 11654 standard in accredited laboratories:

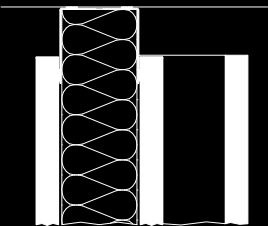
	EN ISO 11654	
	aw	Absorption class
Linea	0.65	C

Note:
All certificates and graphics available on request

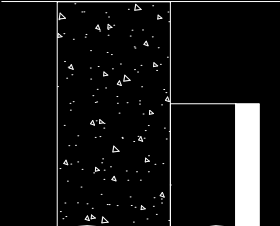
* Tests performed on a hollow 70 mm space and extra damping with 50 mm insulation wool



Vertical cross-section



Vertical cross-section, OVER the partition



Vertical cross-section, AGAINST the partition

In the interests of quality, we reserve the right to adapt technical elements and characteristics of the products, without further commitment on our part.
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