

ROOM PARTITIONING AND AREAS OF CALM

STRUCTURING ZONES, REDUCING
NOISE EXPOSURE AND IMPROVING
ACOUSTIC PRIVACY:
ACOUSTIC PARTITION CURTAINS
CREATE ATTRACTIVE ISLANDS
OF CALM.

CRÉATION
BAUMANN



Photo (also cover): Andreas Gehrke, Berlin



The proven ACOUSTIC DIVIDER VARIO acoustic partition curtain system has already been used in many successful projects.

OUR ACOUSTIC FABRICS CAN BE USED TO DESIGN AND ZONE SPACES FLEXIBLY AND ADAPT TO NEW SITUATIONS. EFFECTIVE, VERSATILE AND CREATIVE.



NOISE CREATES STRESS

The trend for open space in architecture brings new levels of freedom. But open rooms and smooth surfaces such as glass and concrete also increase sound levels and therefore noise pollution. The acoustic partition curtain system from Création Baumann creates quiet zones that are up to 23 decibels quieter than their surroundings – simply and effectively.

Why noise levels rise

More spaciousness, more room for manoeuvring, more creativity. The trend for open space in architecture brings new levels of freedom, but they are not always a plus: Open rooms and smooth surfaces such as glass or concrete increase sound volumes and lead to more noise exposure. Medical science finds high values alarming: Studies show that they impact your well-being and that a high level of noise can reduce your mental potential by 10 to 15 percent.

Integrated expertise

Our experts know how to integrate the options and benefits of the ACOUSTIC DIVIDER VARIO into the architectural design. You too can benefit from our expertise in textiles, space planning and acoustic optimisation.

Acoustic partition curtain – the system

Up to now, acoustically dividing spaces used to involve extensive and expensive construction work. Création Baumann, an innovation leader in developing functional textiles, has created the ACOUSTIC DIVIDER VARIO, a textile and therefore

a significantly more cost-efficient solution for effectively, flexibly and attractively subdividing a room's soundscape: The acoustic partition curtain system creates islands of calm in rooms. The innovative NoiseBlocker technology achieves a sound reduction of up to 23 decibels.

Layer by layer more calm with NoiseSilencer

ACOUSTIC DIVIDER VARIO features an acoustic fabric on its front and back. In between we place one or two layers of Noise-Silencer. This composition effectively insulates sound.

Even more efficient with NoiseBlocker

The secret of decibel reduction lies in a genuine world innovation: Together with the Department of Technology and Architecture at the Lucerne University of Applied Sciences and Arts, the textile designers from Création Baumann have developed a synthetic rubber that achieves unprecedented sound insulation with just one layer – while remaining very soft and flexible, which supports the textile look and feel of the ACOUSTIC DIVIDER VARIO with NoiseBlocker.



Outer layer

Acoustic fabric with standard side seam

Inner layer NoiseBlocker

Highly effective rubber membrane with protective strip

Outer layer

Acoustic fabric side seam variant with piping in four colours available



REASSURINGLY INNOVATIVE

Création Baumann has set a new standard in acoustic room partitioning with the ACOUSTIC DIVIDER VARIO. The innovative solution enables effective noise reduction, even with the greatest freedom of choice in the design of areas of calm. Time to open a new chapter in the success story – thanks to even greater individuality in textiles, assembly and planning.

Wide range of fabrics for acoustic curtains

A wide range of textiles in different colours and structures are available for the ACOUSTIC DIVIDER VARIO acoustic partition curtain – all with the best quality in terms of material, workmanship and functionality.

Finished and ready for installation

In order for acoustic partition curtains to develop their optimal functionality, professional installation is required. Création Baumann supplies the curtains – individually made to measure – as a finished product.

In addition to assembly with pleats, the ACOUSTIC DIVIDER VARIO can now also be used in a flat design without pleats. The textiles can be assembled upright on the floor or hanging.

Rail system

The metal rail for ceiling installation is available in two profile sizes, excelling in a high load capacity of 90 and 150 kg respectively – straight or curved, in white, grey and black. The rail has smoothly running internal custom castors and can be operated by hand or motor.

Technical add-on

The technology has been supplemented by an aluminum panel that creates a uniform finish. It also provides additional sound reflection and also supports the system acoustically. The panel can be easily mounted on the rail system and can also be used for other room separation solutions.

WITH PROVEN EFFECTIVENESS

In rooms with high sound volumes, the **ACOUSTIC DIVIDER VARIO** creates attractive islands of calm. The innovative complete system is the textile solution for creating ideal sound conditions simply and efficiently without construction measures. The acoustic fabrics have been tested for sound absorption in the reverberation room according to DIN ISO 354/ISO 11654 and precisely recorded. All reports are available for download on our website under the respective product.

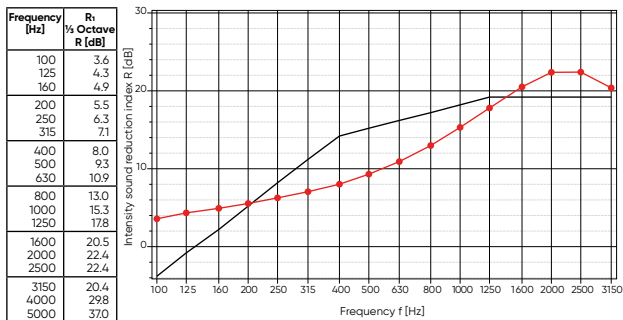
Calculated values

In cooperation with the Department of Technology and Architecture at the Lucerne University of Applied Sciences and Arts, Création Baumann has developed simulation software that calculates the decibel reduction for each textile combination.

ACOUSTIC DIVIDER VARIO with NoiseSilencer

The values with two inner layers of NoiseSilencer show a sound reduction of 11 to 16 decibels.

Calculation results (under ideal conditions)



Calculated and weighted intensity **R_w (C; C_v) 15 (-1; -4) dB** — Shifted curve of reverence values according to ISO-717-1
● Intensity sound reduction index

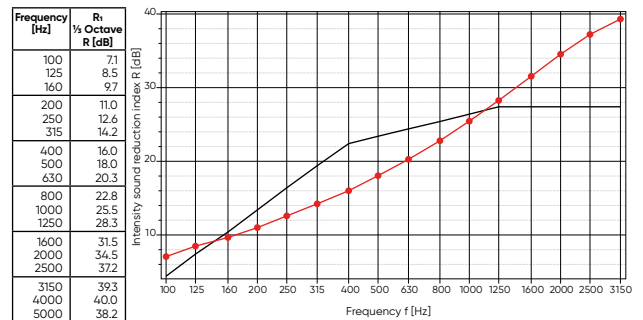
Individually calculated

The sound-absorbing acoustic materials of the two outer layers and the inner layers NoiseSilencer or NoiseBlocker create an ideal combination of sound insulation and sound absorption.

ACOUSTIC DIVIDER VARIO with NoiseBlocker

The values with an inner layer of NoiseBlocker show a sound reduction of up to 23 decibels.

Calculation results (under ideal conditions)



Calculated and weighted intensity **R_w (C; C_v) 23 (-2; -5) dB** — Shifted curve of reverence values according to ISO-717-1
● Intensity sound reduction index



A wide range of textiles in different colours and textures is available for the ACOUSTIC DIVIDER VARIO acoustic partition curtain – all with the best quality in terms of material, workmanship and functionality. For sound insulation with the ACOUSTIC DIVIDER VARIO and for sound absorption with the acoustic panels, Création Baumann offers the entire portfolio for acoustically highly effective textile interior design – in both private and public spaces.

To discover the textile acoustic solutions by the Swiss innovation leader for developing functional fabrics, please visit our digital show room: creationbaumann.com/acoustics

Used all over the world – our acoustic solutions

River Point Conference Center, Chicago, USA

L'Osteria, Munich, Germany

EY (Ernst & Young), Bern, Switzerland

Hotel OD Talamanca, Ibiza, Spain

NBBJ – Columbus Office, Columbus, USA

Nestlé, Konolfingen, Germany

Die Mobiliar Generalagentur, Zurich, Switzerland

MDC Loft, Berlin, Germany

