



DORMA- COUSTIC

—
The New DORMA Hüppe
Room Acoustics Collection



ACOUSTIC ATTENUATION – FOR THE SAKE OF YOUR SENSES

DORMAcoustic absorbs noise to create an improved in-room ambience.



Spatial and functional design excellence

Flexible room partitions create areas ideal for communication. Spaces for learning, working, presenting, listening or perhaps just quiet enjoyment – they all need to offer good speech intelligibility and general audibility.

Acoustic quality is as important to people's feeling of wellbeing as the lighting and

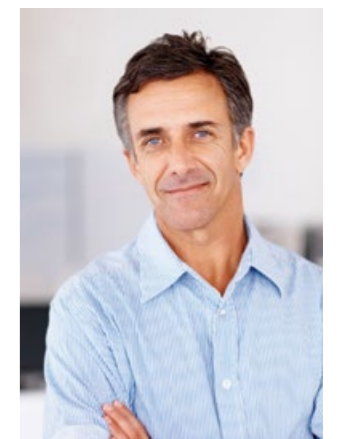
color scheme of an interior. Hard, smooth surfaces such as glass frontages and fair-faced concrete walls give rise to reflected sound with lengthy reverberation times perceived as echoey, disruptive noise.

Functional room acoustics of elegant design

DORMAcoustic is a range of acoustic panels developed for MOVEO and Variflex partitions from DORMA Hüppe. The elements ensure good sound absorption to promote both verbal understanding and effortless listening pleasure. With their precision perforations and attractive finishes, they also contribute to the visual ambience of an interior.



With events running in parallel, sound absorption within each spatial unit can be as important as sound insulation between the rooms.



The better people can hear and understand, or the more quietly and focused they can work, the better and more effective the results are likely to be.

HIGH FUNCTIONAL EFFICIENCY WITH PRECISION PERFORATIONS

For a wide range of movable wall applications.

Two perforation patterns with outstanding absorption values

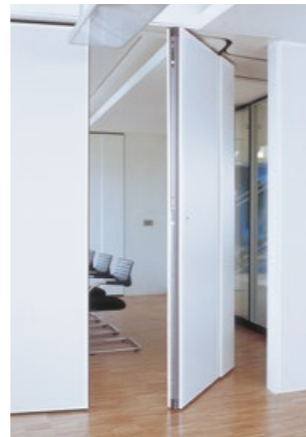
In-room sound penetrates the perforations of the DORMAcoustic panels to be “swallowed” by the acoustic fleece and core incorporated in their structure. There are four surface finishes available, plus a choice of two different perforation patterns for differing interior design requirements. Each combination delivers outstanding performance with exceptional absorption results.

Technical advisory regarding absorption values

The presence of a shape indicator means that the practical sound absorption coefficient (red curve) at one or several frequencies (L → 250 Hz, M → 500 Hz, 1,000 Hz, H → 2,000 Hz, 4,000 Hz) lies 0.25 or more above the values of the shifted reference curve, with the onus on the user to give due consideration to the complete curve representing the sound absorption coefficient.



The microfne perforation ensures a balanced in-room acoustic performance with no visual trade-off.

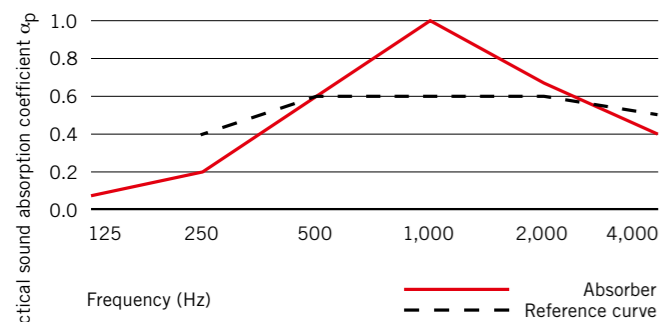


Engineered for excellence

Overview of the sturdy, sealed panel design:

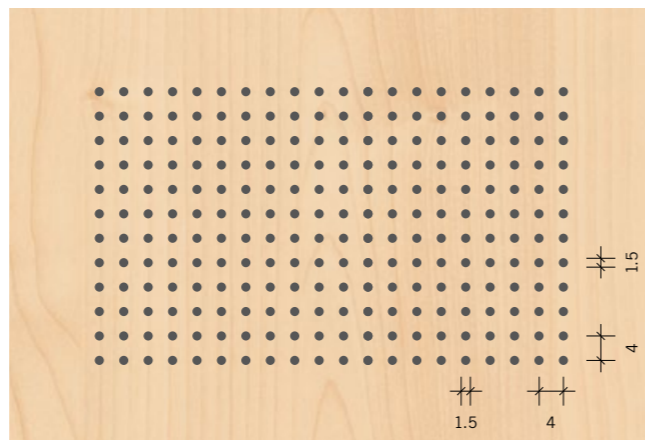
- 1 Especially perforated composite surface
- 2 Acoustic fleece, black
- 3 Acoustic core
- 4 Backing board

Pattern 1 – Microperforation 4/4/1.5



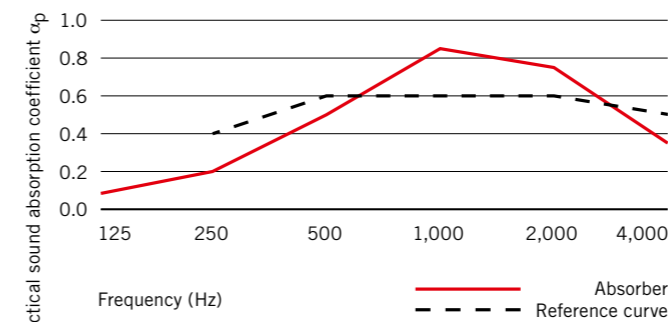
f[Hz]	125	250	500	1,000	2,000	4,000
α_p	0.05	0.20	0.60	1.00	0.65	0.40

Weighted sound absorption coefficient $\alpha_w = 0.50$
Shape indicator M



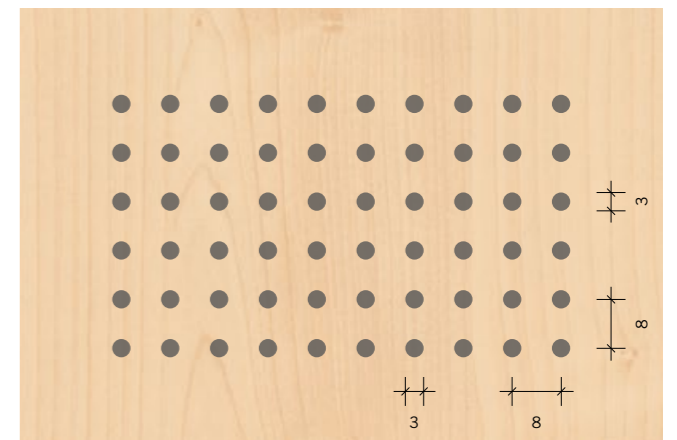
Spacing: 4 mm (horizontal | vertical)
Hole diameter: 1.5 mm
Edge distance: 20 mm
Perforation area: 11.0% | No. of holes per m²: 62,500

Pattern 2 – Perforation 8/8/3



f[Hz]	125	250	500	1,000	2,000	4,000
α_p	0.10	0.20	0.50	0.85	0.75	0.35

Weighted sound absorption coefficient $\alpha_w = 0.45$
Shape indicator M H



Spacing: 8 mm (horizontal | vertical)
Hole diameter: 3 mm
Edge distance: 20 mm
Perforation area: 11.0% | No. of holes per m²: 15,625

COST-EFFICIENT ROOM ACOUSTICS FOR MOVABLE WALL SYSTEMS

DORMAcoustic adds user value to the MOVEO and Variflex range.

Flexible design options with the DORMAcoustic collection

DORMAcoustic panels are especially tailored to the two DORMA Hüppe movable wall systems MOVEO and Variflex, enabling operable partitions to also be part of the interior acoustic planning of a build.

The collection comprises two different perforation types. Both variants are available with surface finishes in four in-vogue colors, ranging from discreet white, giving the

room an attractive generosity and openness, to fine maple for that harmonious, natural look. DORMAcoustic can thus add to the creative scope available in composing an interior style.



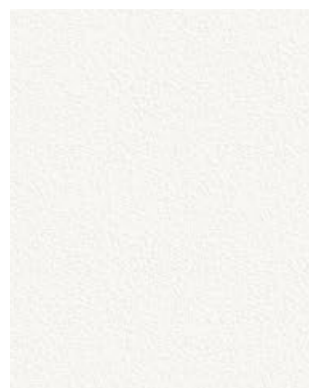
DORMA Hüppe partition systems create space for events both large and small, while DORMAcoustic delivers good interior acoustics to create a pleasant in-room ambience.

DORMAcoustic extends the MOVEO and Variflex application range

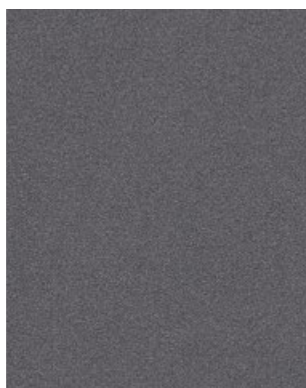
Offering good sound insulation values, both partition systems allow concurrent events to be held without noise from one room unduly penetrating the other. DORMAcoustic complements this attenuating performance through absorption of in-room noise with reduced reverberation for an improved auditory ambience.



Four DORMAcoustic surface finishes of in-vogue colors to choose from



Platinum White



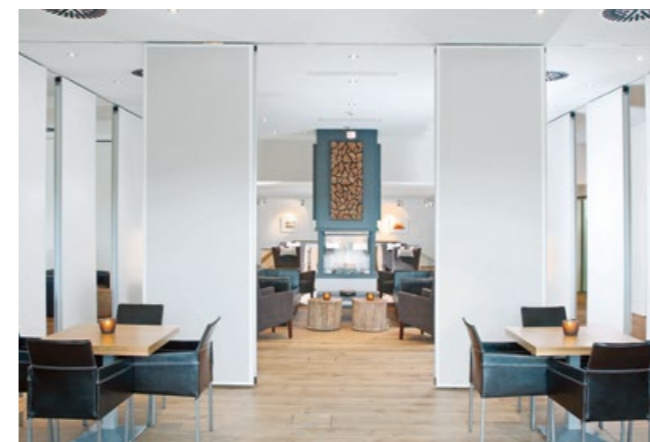
Anthracite Graphite



Brilliant Gray



Fine Maple



Flexible space utilization tailored to requirements: DORMA Hüppe movable wall systems with DORMAcoustic panels create the best possible conditions for all kinds of communication-related event.



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