

NOISEflex® Trennwand S

Noiseflex® Trennwand S is an acoustic divider with sound absorbing and sound shielding characteristics. The surrounding aluminium frame has an installation depth of 45 mm. A sandwich element comprising two Noiseflex® MH or Noiseflex® Conso absorber boards on a rigid carrier panel is used as filler. This construction ensures very good sound absorption, also reducing direct noise transmission. Two fabric covers are placed on both sides of the product and may be individually printed and are also easy to replace. This renders Noiseflex® Trennwand S a flexible design element for a room which can also drastically reduce both reverberation time and sound levels.

Application:

As a sound absorbing element with sound shielding characteristic in

- Offices and administration buildings
- Shops
- Call centres
- Banks and insurance companies

Installation types:

- Table absorber with screw clamps
- Movable wall with toe plates
- Acoustic baffle with suspension arrangement

Physical properties:

Noiseflex® Trennwand S is resistant against many chemical substances. It does not contain halogenated hydrocarbons. Noiseflex® MH and Noiseflex® Conso are flame retardant.



Standard dimensions:

Frame depth: 45 mm
Length and width: 1000 x 500 mm

Other dimensions are available on request.

Technical data:

Basic material Noiseflex® MH (melamine resin foam)
Noiseflex® Conso (Polyester fibres)
Colour aluminium frame colour silver matt
fabric cover individually printed or according to colour chart
Density approx. 48 kg / m³ (Noiseflex® Conso)
approx. 9 kg / m³ (Noiseflex® MH, depending on colour)

Fabric covers:

Camira: Xtreme = 100% polyester
Camira: Chateau = 100% polypropylene
Camira: Synergy = 95% virgin wool, 5% polyamide
Camira: Blazer / Light = 100% virgin wool
Print fabric = 100% polyester

Reaction to fire:

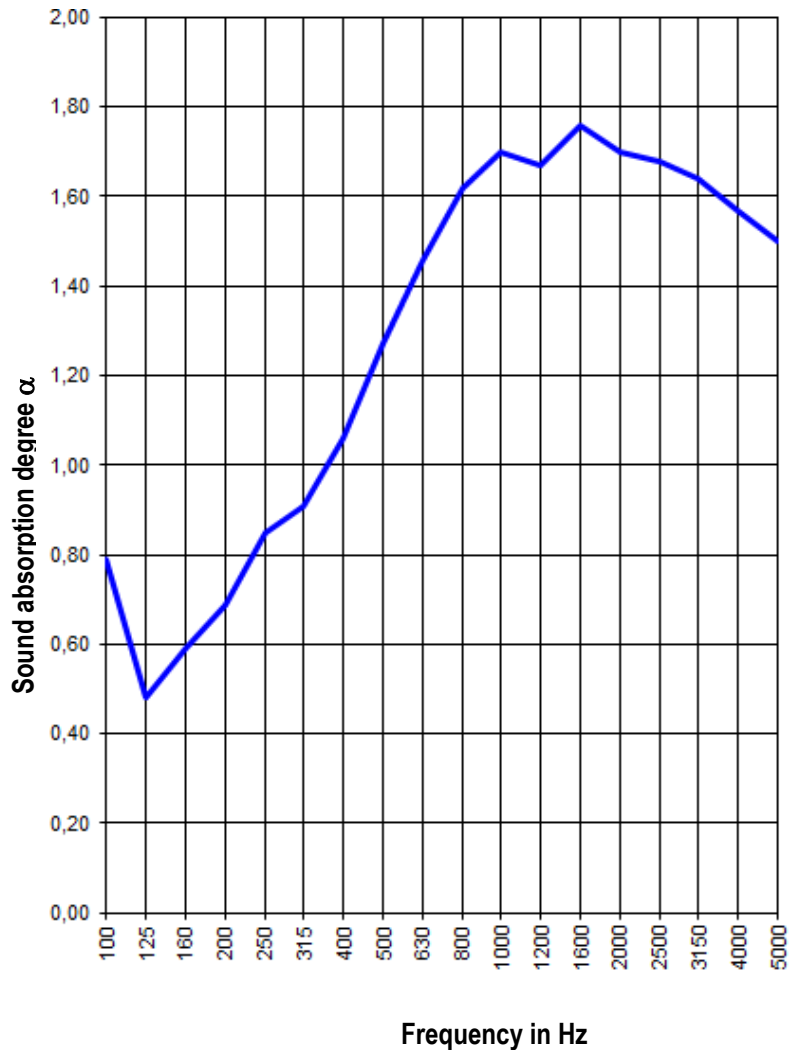
Melamine resin foam Noiseflex® MH: B1 – flame retardant to DIN 4102
Polyester fiber Material Noiseflex® Conso: B1 – flame retardant to DIN 4102
Fabric cover: B1 – flame retardant to DIN 4102 (possible on request)

Sound absorption of Noiseflex® Trennwand S in reverberation chamber according to. DIN EN ISO 354

BOSIG Trennwand S acoustic dividers 45mm,
 7 acoustic dividers, standing, with single total area of 5.32 m²
 Test setup corresponding to DIN EN ISO 354

Room volume: 256.67 m³ Test sound: Broadband noise
 Absorber area: 5.32 m² Receiver filter: Third octave band filter
 Test date: 10.04.2024 Testing body: BOSIG GmbH

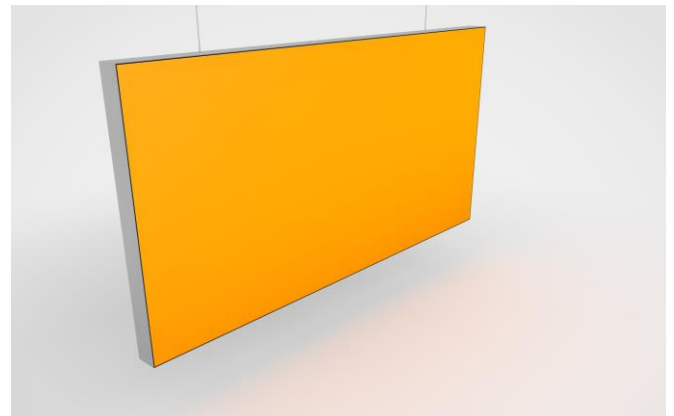
Sound absorption degree α		
Frequency [Hz]	Third octaves	Oktaves
	α_s	α_s
100	0.79	0.62
125	0.48	
160	0.59	
200	0.69	0.82
250	0.85	
315	0.91	
400	1.06	1.26
500	1.27	
630	1.46	
800	1.62	1.66
1000	1.70	
1200	1.67	
1600	1.76	1.71
2000	1.70	
2500	1.68	
3150	1.64	1.57
4000	1.57	
5000	1.50	



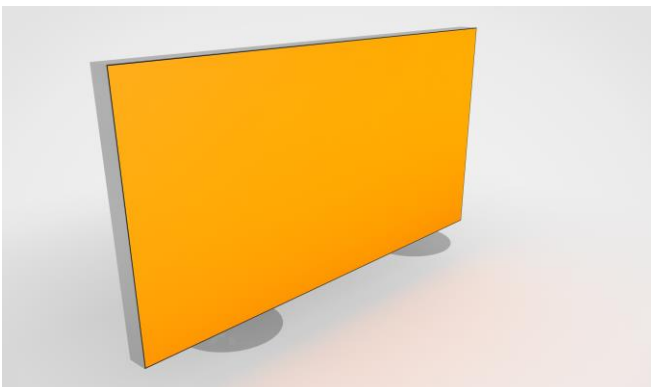
Installation types:



Noiseflex® Trennwand S as table absorber with screw clamps



Noiseflex® Trennwand S as acoustic baffle with suspension arrangement



Noiseflex® Trennwand S as movable wall with toe plates

Attention! Important Note:

Above information are based on best present knowledge of current technology, but do not guarantee faultless processing of our products. The information is based on practical results of our tests, but is not binding and does not constitute warranties of characteristics in terms of Federal Supreme Court jurisdiction. Our information does not constitute a legally binding assurance of certain properties or suitability for a specific purpose. Supplementary information by our specialists are merely recommendations, for which no liability is accepted.

Due to the many possible applications of our products, we recommend subjecting the project to a thorough suitability test on original materials before release for further application.

Since our information are non-binding we do not warranty their correctness. For this reason we accept no liability for possible improper processing based on information submitted by our employees.

This technical data sheet replaces all previous versions and is valid until a new version is issued, or until Dec. 31, 2024. Please request the latest version after Jan. 01, 2025.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils

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