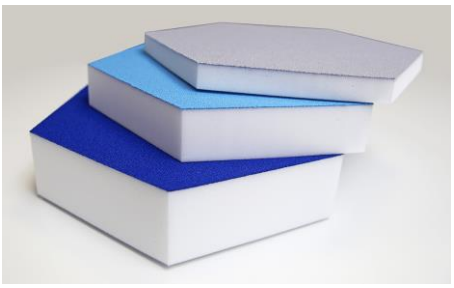
Technical Information

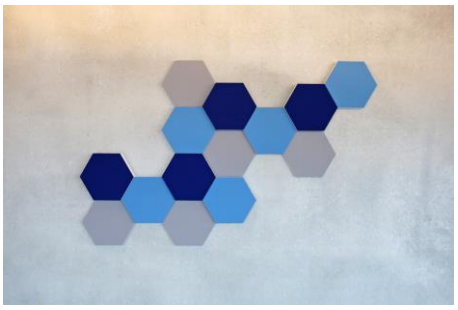
Noiseflex® Cover

Noiseflex® Cover consist of an absorber board, e.g. Noiseflex® MH or Noiseflex® Conso, which is surface-covered with a high-quality upholstery fabric. A large variety of colours, sizes and shapes can be implemented at the customer's request.
As regards options for suspension and fastening, several solutions are available for Noiseflex® Cover. Via direct bonding to wall or ceiling, the covered aluminium frame installed on the rear, or mounted to the ceiling using insulation dowels. This makes Noiseflex® Cover a flexible design element for functional wall and ceiling surfaces, which can effectively reduce both the reverberation time and noise level.

Application:
As ceiling canvas and wall absorber in

- offices and administration buildings
- nursery schools and schools
- shops and stores
- call centres
- banks and insurance companies





Physical properties:
Noiseflex® Cover are chemically resistant to a variety of substances. They are free from halogenated hydrocarbons. Noiseflex® MH and Noiseflex® Conso are flame-retardant.

Standard dimensions:

Thickness	50 mm
Length and width	500 x 1000 mm
	1000 x 1000 mm
	1000 x 1500 mm
	1000 x 2000 mm

We will be happy to provide you with further dimensions and shapes both in terms of thickness and length / width on request.

Technical data:

Base material:	Noiseflex® MH (melamine resin foam) Noiseflex® Conso (polyester fibres) Further materials available on request
Colour:	Fabric covers printed or according to the colour chart Individually printed fabric
Density:	approx.50 or approx. 160 kg / m^3 (Noiseflex® Conso) 7 – 10.5 kg / m^3 (Noiseflex® MH, depending on colour)

Fabric covers:

Camira: Synergy =	95 % new wool, 5 % polyamide
Camira: Blazer /Light =	100 % new wool
Printed fabric =	100 % polyester
	Further fabrics are available on request

Fire behaviour:

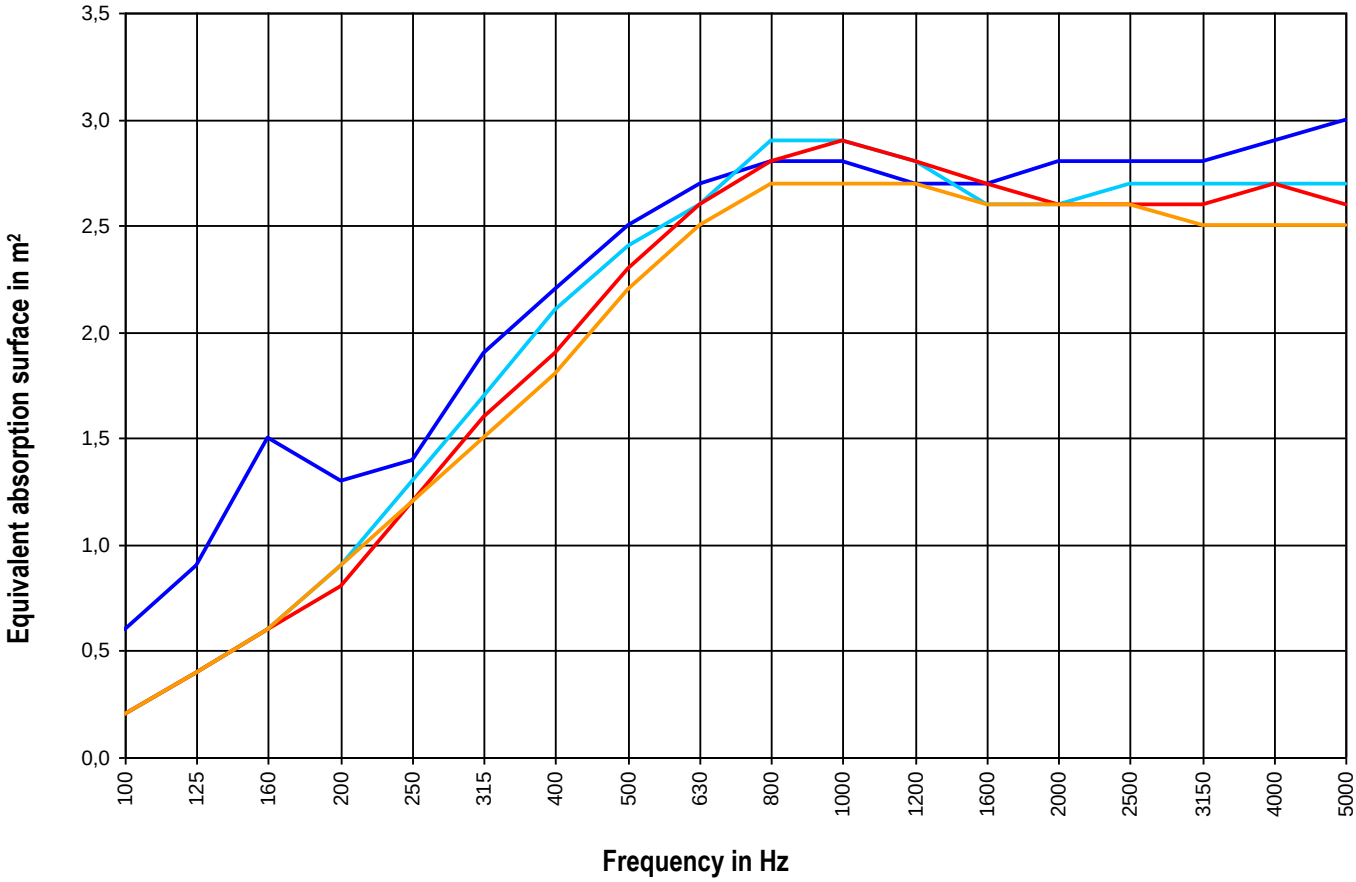
Noiseflex® MH:	B1 – flame retardant as per DIN 4102 C-s3, d0 – DIN EN 13501-1
Noiseflex® Conso:	B-s2, d0 – DIN EN 13501-1
Fabric cover:	C-s1, d0 – DIN EN 13501-1 (Blazer Lite)

Sound absorption of Noiseflex® MH in the reverberation chamber as per DIN EN ISO 354
5 ceiling canvasses 2000 x 1000 x 50 mm randomly distributed in the room on the floor with absorber boards of 50 mm Noiseflex® MH

Room volume:	391.6 m³	Test sound:	Broadband noise
Room surface:	322.2 m²	Receive filter:	Third octave band filter
Measurement date:	21/08/2012	Measuring facility:	TÜV Rheinland LGA Products GmbH (test report no. 21188917)

Equivalent sound absorption surface A per ceiling canvas at different suspension heights

Frequency [Hz]	Suspension 0 mm		Suspension 25 mm		Suspension 50 mm		Suspension 100 mm	
	Thirds	Octaves	Thirds	Octaves	Thirds	Octaves	Thirds	Octaves
	A [m²]	A [m²]	A [m²]	A [m²]	A [m²]	A [m²]	A [m²]	A [m²]
100	0.2		0.2		0.2		0.6	
125	0.4	**0.4**	0.4	**0.4**	0.4	**0.4**	0.9	**1.0**
160	0.6		0.6		0.6		1.5	
200	0.9		0.8		0.9		1.3	
250	1.2	**1.2**	1.2	**1.2**	1.3	**1.3**	1.4	**1.5**
315	1.5		1.6		1.7		1.9	
400	1.8		1.9		2.1		2.2	
500	2.2	**2.2**	2.3	**2.3**	2.4	**2.4**	2.5	**2.5**
630	2.5		2.6		2.6		2.7	
800	2.7		2.8		2.9		2.8	
1000	2.7	**2.7**	2.9	**2.8**	2.9	**2.9**	2.8	**2.8**
1200	2.7		2.8		2.8		2.7	
1600	2.6		2.7		2.6		2.7	
2000	2.6	**2.6**	2.6	**2.6**	2.6	**2.6**	2.8	**2.8**
2500	2.6		2.6		2.7		2.8	
3150	2.5		2.6		2.7		2.8	
4000	2.5	**2.5**	2.7	**2.6**	2.7	**2.7**	2.9	**2.9**
5000	2.5		2.6		2.7		3.0	



Attention! Important Note:
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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.
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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.

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