

Noiseflex® Canvas consists of an absorber board made from Noiseflex® MH or Noiseflex® Conso with a covered aluminium frame on the rear for suspension from the ceiling. With the covered aluminium frame, different board dimensions and thicknesses (such as rectangles, circles, waves, pyramids, etc.) can be used as ceiling canvas. Furthermore, we can dye the absorber boards in different colour shades (e.g. based on RAL colours) using a special method, or cover them with our coloured fabrics. Located on the rear for suspension from the ceiling are four adjustable eye bolts for fixing to the relevant suspension system, making Noiseflex® Canvas a design feature for functional ceiling areas that can drastically reduce both reverberation time and sound level.

### Application:

As ceiling canvas in

- Office and administration buildings
- Kindergartens and schools
- Shops
- Call centers
- Banks and insurance companies

### Physical properties:

Noiseflex® Canvas is chemically resistant to a number of substances. They are free of 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 glad to provide other thickness and length / width dimensions on request.



### Technical data:

Basic material	Noiseflex® MH (melamine resin foam) Noiseflex® Conso (Polyester fibres)
Colour	white fabric cover with print design according to colour chart]
Density	approx. 48 kg / m <sup>3</sup> (Noiseflex® Conso) approx. 9 kg / m <sup>3</sup> (Noiseflex® MH)

### 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
Trevira fabric =	100% polyester

### Reaction to fire:

Noiseflex® MH:	B1 – flame retardant to DIN 4102
Noiseflex® Conso:	B1 – flame retardant to DIN 4102
Fabric cover:	B1 – flame retardant to DIN 4102 (possible on request)

**Sound absorption of the Noiseflex® Ceiling Canvas in the reverberation room as per DIN EN ISO 354**

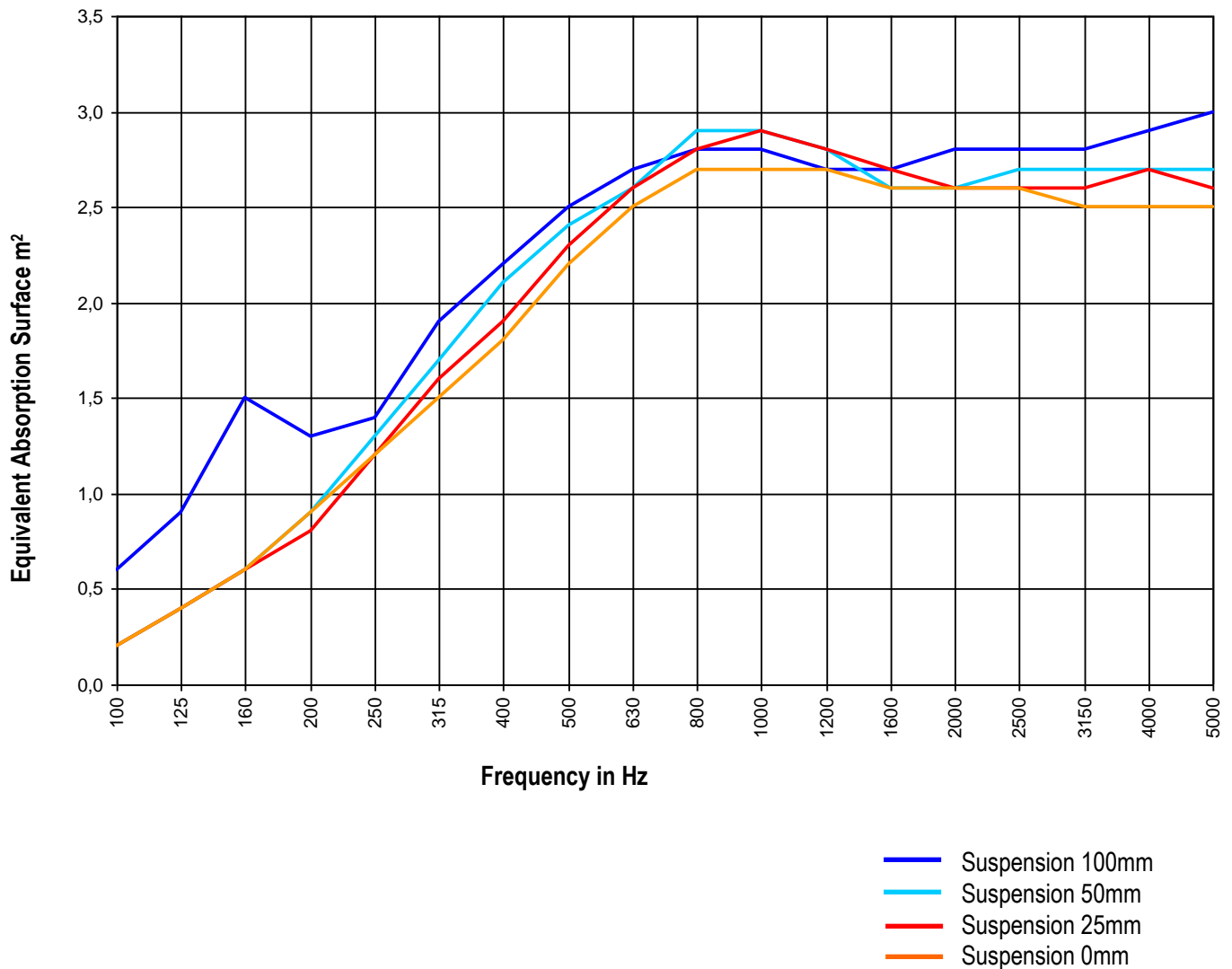
5 ceiling canvases 2000 x 1000 x 50 mm lying randomly across the floor in the room with absorber boars made from 50 mm Noiseflex® MH

Room volume: 391.6 m<sup>3</sup>  
 Room surface area: 322.2 m<sup>2</sup>  
 Date of measurement: Aug. 21, 2012

Test sound: Broad band noise  
 Receive filter: Third octave band filter  
 Testing body: TÜV Rheinland LGA Products GmbH  
 (test report no. 21188917)

**Equivalent noise absorption surface A per ceiling canvas for 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 [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]
100	0.2	0.4	0.2	0.4	0.2	0.4	0.6	1.0
125	0.4		0.4		0.4		0.9	
160	0.6		0.6		0.6		1.5	
200	0.9	1.2	0.8	1.2	0.9	1.3	1.3	1.5
250	1.2		1.2		1.3		1.4	
315	1.5		1.6		1.7		1.9	
400	1.8	2.2	1.9	2.3	2.1	2.4	2.2	2.5
500	2.2		2.3		2.4		2.5	
630	2.5		2.6		2.6		2.7	
800	2.7	2.7	2.8	2.8	2.9	2.9	2.8	2.8
1000	2.7		2.9		2.9		2.8	
1200	2.7		2.8		2.8		2.7	
1600	2.6	2.6	2.7	2.6	2.6	2.6	2.7	2.8
2000	2.6		2.6		2.6		2.8	
2500	2.6		2.6		2.7		2.8	
3150	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9
4000	2.5		2.7		2.7		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.

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.

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