

Noiseflex® Cubes MH are broadband absorbers made of Noiseflex® MH, covered with attractive colourful fabrics.

Noiseflex® MH is flexible, open-cell foam made of melamine resin, a thermosetting plastic of the aminoplast group. Its typical characteristic is the filigree, spatial mesh structure, formed by slender, easy to deform ribs. The attractive colourful fabric cover sets no limits to creative freedom. Noiseflex® MH offers a wide spectrum of attractive characteristics. The salient quality characteristics are:

- highly sound absorbing
- light weight

These acoustic advantages of Noiseflex® MH are behind the many applications of Noiseflex® Cubes MH in the field, especially in production and schools and kindergartens, multipurpose halls and gyms, event venues and wherever a room height of 3 metres or more is given. Noiseflex® Cubes MH, if properly applied, is capable of drastically reducing sound level and reverberation time in halls, for instance.

### Application:

The absorber body has integral straps to attach to a fastening hook.

### Physical characteristics:

Noiseflex® Cubes MH are chemically resistant to many substances. They do not contain halogenated hydrocarbons.

### Fire resistant properties:

Melamine resin foam Noiseflex® MH:	B1 – flame resistant	DIN 4102-1: B1
Fabric cover:	B1 – flame resistant	DIN 4102-1: B1 (possible on request)

The fire behaviour of Noiseflex® Cubes MH is tested following the standard DIN EN 1021, parts 1 und 2 (cigarette and gas flame test). The fire resistance of Noiseflex® Cubes MH therefore complies verifiable with the legal demands, which are made on objects of interior room setup.

### Standard sizes:

- 600 x 600 x 600 mm
- 400 x 400 x 400 mm

### Colours:

- white (similar to RAL 9010)
- yellow (similar to RAL 1021)
- red (similar to RAL 3020)
- blue (similar to RAL 5002)
- green (similar to RAL 6001)
- black (similar to RAL 9005)
- other fabric covers made from Camira or with imprint are available on request.



### Fabric cover:

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 =	100% polyester

**Washing instructions:**



**Washing of the fabrics:**

The fabric covers are removable and washable at 40 °C. Chemical Cleaning is also possible. However, please observe: The fabrics are not to be chlorinated nor dried in the laundry drier. Ironing is possible only at the lowest possible temperature.

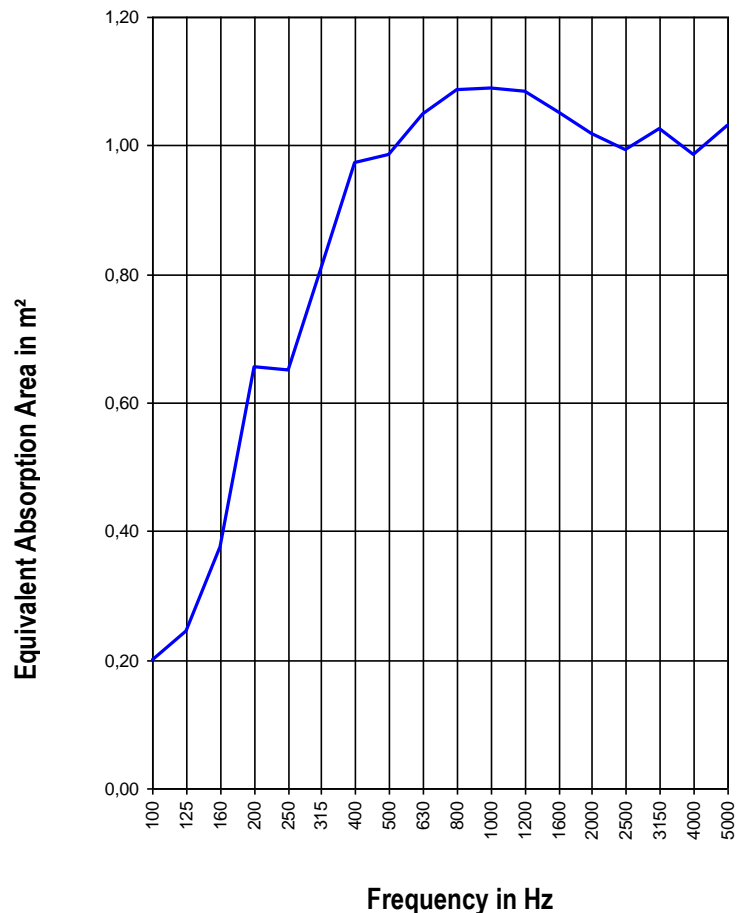
**Sound absorption of Noiseflex® Cubes MH 400 x 400 x 400 mm in the reverberation room as per DIN EN ISO 354**

Cubes Noiseflex®-MH, length of the edges 400 x 400 x 400 mm, 8 cubes hanging from the ceiling.

Volume of the room: 391.6 m<sup>3</sup>  
 Room surface: 322.2 m<sup>2</sup>  
 Date of measurement: Dec. 13, 2011

Acoustic noise for test: broad band noise  
 Receive filter: third filter  
 Measuring body: TÜV Rheinland LGA Products GmbH  
 (test report no. 21181673-001)

Equivalent Absorption Area A per absorber		
Frequency [Hz]	Thirds	Octaves
	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]
100	0.20	0.27
125	0.24	
160	0.38	
200	0.66	0.70
250	0.65	
315	0.81	
400	0.97	1.00
500	0.99	
630	1.05	
800	1.09	1.09
1000	1.09	
1200	1.08	
1600	1.05	1.02
2000	1.02	
2500	0.99	
3150	1.03	1.01
4000	0.99	
5000	1.03	



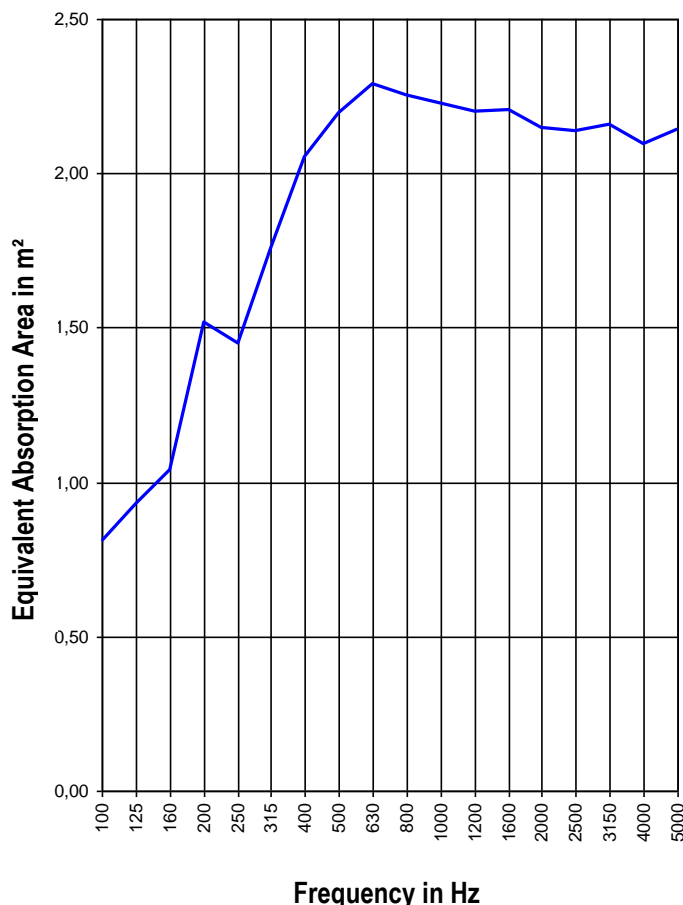
### Sound absorption of Noiseflex<sup>®</sup> Cubes MH 600 x 600 x 600 mm in the reverberation room as per DIN EN ISO 354

Cubes Noiseflex<sup>®</sup>-MH, length of the edges 600 x 600 x 600 mm, 6 cubes hanging from the ceiling.

Volume of the room: 391.6 m<sup>3</sup>  
 Room surface: 322.2 m<sup>2</sup>  
 Date of measurement: Dec. 13, 2011

Acoustic noise for test: broad band noise  
 Receive filter: third filter  
 Measuring body: TÜV Rheinland LGA Products GmbH  
 (test report no. 21181673-001)

Equivalent Absorption Area A per absorber		
Thirds	Thirds	Oktaven
	A [m <sup>2</sup> ]	A [m <sup>2</sup> ]
100	0.81	0.93
125	0.93	
160	1.04	
200	1.52	1.57
250	1.45	
315	1.76	
400	2.05	2.18
500	2.19	
630	2.29	
800	2.25	2.23
1000	2.23	
1200	2.20	
1600	2.20	2.16
2000	2.15	
2500	2.14	
3150	2.16	2.13
4000	2.09	
5000	2.15	



#### 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.

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