

Noiseflex® Quadra are broadband absorbers, comprising Noiseflex® MH, encased in attractive, colourful fabric covers, which can be used as freestanding units in the room. Noiseflex® MH is a flexible, open-cell melamine resin foam, a thermosetting plastic in the aminoplast group. Its typical characteristic is the filigree, three-dimensional net structure that is formed from slim and therefore easily malleable webs. There are hardly any design limits to the attractive coloured fabric covers.

Noiseflex® MH offers a wide range of attractive properties. The outstanding quality characteristics are:

- High sound absorption capacity
- Low weight

These benefits of Noiseflex® MH are based on the extensive areas of application for Noiseflex® Quadra in the acoustics sector, primarily in offices, living areas, schools, kindergartens, event centres and everywhere where wall and ceiling areas are not sufficient for the installations of sound absorbers. Noiseflex® Quadra is capable of drastically reducing reverberation time and noise level when used appropriately

Application:

The column-like body absorber can be installed anywhere within a space. The fabric covers are available in different colours or also printed. A not visible, solid metal plate on the underside gives Noiseflex® Quadra a firm stand. As a bordering for the base, also a visible aluminium frame with a visible width of 35 mm is available as separate accessories.

Physical Characteristics:

Noiseflex® Quadra are chemically stable with many materials. They are free of halogenised hydrocarbons.

Standard size:

2000 x 340 x 340 mm (other dimensions on request)

Colours:

- Polyester fabric smooth in white, black, yellow, red, or blue
- Polyester fabric smooth printed according to customer demands
- Camira Typ Xtreme, Château and Nexus (not flame resistant - B1) available on request

Fire safety characteristics:

Melamine resin foam Noiseflex® MH: B1 – DIN 4102-1, low flammability

Fabric cover: B1 – DIN 4102-1, low flammability (possible on request)

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

Washing of fabric covers:

The fabric covers are removable and washable at 40°C. Dry cleaning is also possible. However please note: the covers must not be chlorinated or dried in a tumble drier. They can be ironed on the lowest heat.

Camira: Xtreme = 100% Polyester
 Camira: Chateau = 100% Polypropylen
 Camira: Blazer/Light = 100% Virgin wool
 Print fabric = 100% Polyester
 Trevira fabric = 100% Polyester



aluminium frame as base bordering (optional)

Washing instructions:

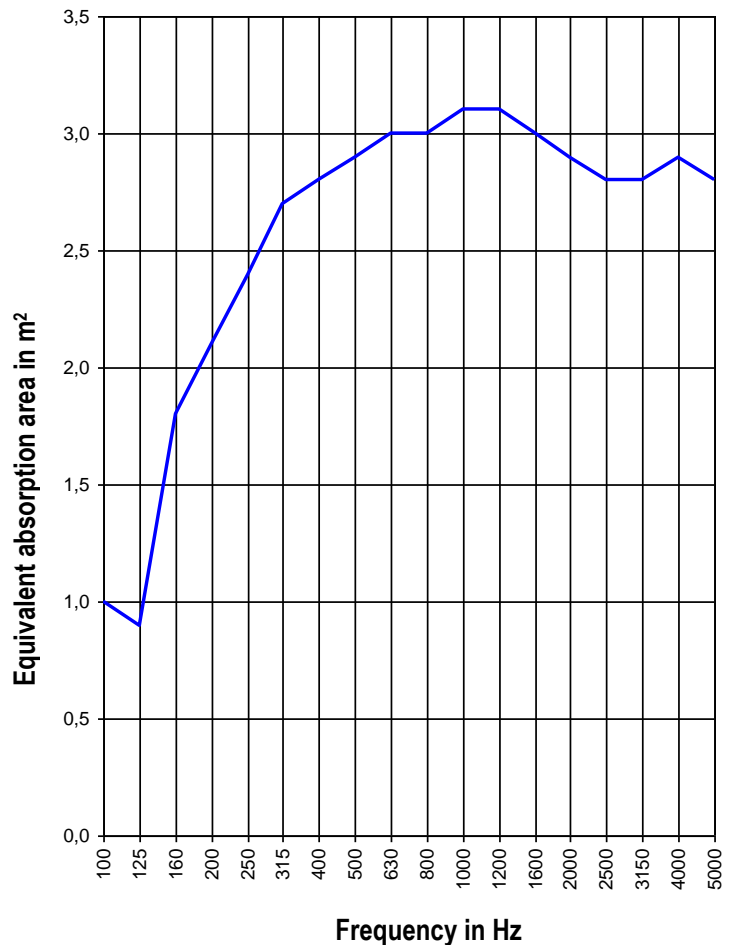


Sound absorption by Noiseflex® Quadra 2000 x 350 x 350 mm in the echo chamber in accordance with DIN EN ISO 354
 Rectangular sections of Noiseflex® MH with fabric cover, dimensions 2000 x 350 x 350 mm, 6 elements distributed randomly in the room.

Volume of room: 391.6 m³
 Room surface: 322.2 m²
 Measurement date: Aug. 21, 2012

Test noise: Broadband noise
 Receive filter: One-third-octave filter
 Test location: TÜV Rheinland LGA Products GmbH
 (Test report no. 21188917)

Equivalent sound absorption area A per element		
Frequency [Hz]	Third-octaves	Oktaves
	A [m ²]	A [m ²]
100	1.0	1.2
125	0.9	
160	1.8	
200	2.1	2.4
250	2.4	
315	2.7	
400	2.8	2.9
500	2.9	
630	3.0	
800	3.0	3.1
1000	3.1	
1200	3.1	
1600	3.0	2.9
2000	2.9	
2500	2.8	
3150	2.8	2.8
4000	2.9	
5000	2.8	



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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