

That sound absorption in corners and edges of rooms is normally very effective, in particular at low frequencies is fact among acousticians. Noiseflex® Freestyle corner absorbers MH are broadband absorbers made of Noiseflex® MH, which use these effects to produce an improvement of room acoustics mainly at low frequencies.

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. 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® Freestyle corner absorber MH in the field, especially in sound studios, HiFi range, open plan offices, production and multipurpose halls as well as event venues. Noiseflex® Freestyle corner absorber MH, if properly applied, is capable of drastically reducing sound level and reverberation time in halls, for instance.

Application:

The absorber body is glued into room corners with the BOSIG Acoustic adhesive.

Physical characteristics:

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

Fire resistant properties:

Melamin resin foam Noiseflex®-MH:

B1 – flame-retardant

DIN 4102 – 1

Colours and design:



Standard colours of Noiseflex® MH are grey and white. Furthermore we can have Noiseflex® MH coated to your requirements in the various RAL shades. This allows you to implement whatever colour schemes you may have in mind. The effect of this surface coating on the thermal insulation and sound absorption qualities of Noiseflex® MH remains very limited in extent. Bei der Farbgebung sind prinzipiell alle RAL-Töne möglich. Please note however:

- The minimum quantity is 20 m².
- Due to Noiseflex® MH's open-pore and open-cell structure, which must be retained to conserve its characteristics, the colours may be considerably more matt in appearance than on an RAL colour card, depending on which RAL shade is selected. For this reason, we recommend that you first have a sample of your desired shade produced by us and then make a decision based on the sample.
- Due to Noiseflex® MH's sorption behaviour it is inevitable that the finished coloured product will appear slightly "cloudy".

Standard forms are prisms with 1000 mm length and the edge lengths of the triangle are 480 x 480 x 680 mm. Other designs, also very special geometrical bodies, are also available. Please give us your request.



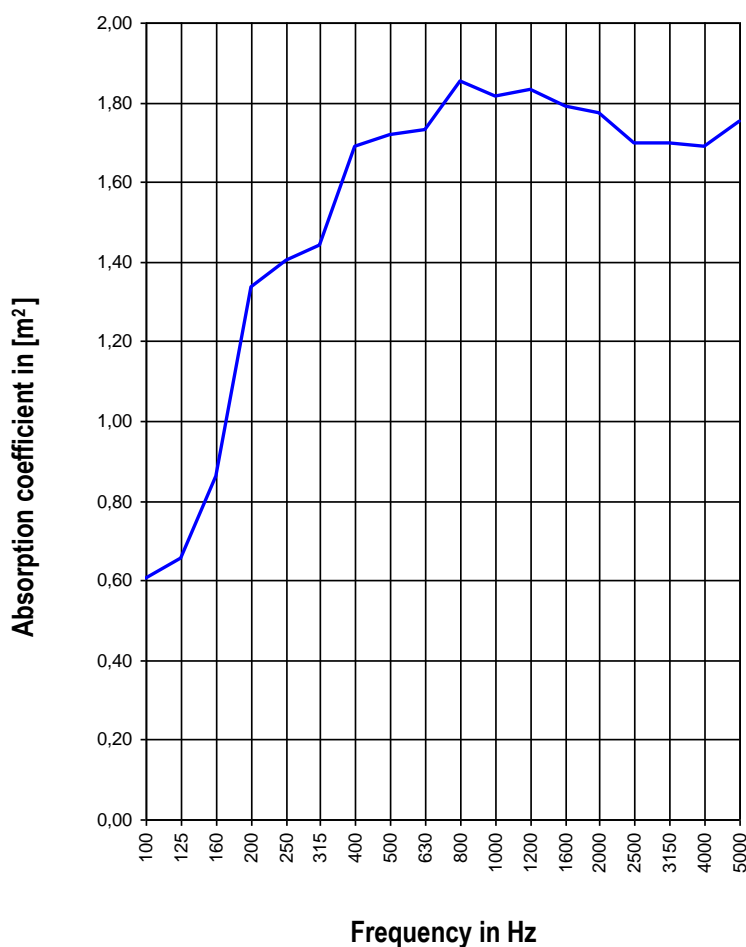
Sound absorption of Noiseflex® Freestyle corner absorbers MH 480 x 480 x 1000 mm in the reverberation room according to DIN EN ISO 354

4 absorbers randomized on the ground floor

Volume of the room: 391.6 m³
 Absorber surface: 322.2 m²
 Date of measurement: Dec 13, 2011

Acoustic noise for test: broad band noise
 Receive filter: third octave band filter
 Measurement and analysis: TÜV Rheinland LGA Products GmbH (test report no. 21181673-001)

Äquivalente Schallabsorptionsfläche A je Absorber		
Frequenz [Hz]	Terzen	Oktaven
	A [m ²]	A [m ²]
100	0.60	0.71
125	0.66	
160	0.86	
200	1.34	1.39
250	1.40	
315	1.44	
400	1.69	1.71
500	1.72	
630	1.73	
800	1.85	1.83
1000	1.81	
1200	1.83	
1600	1.79	1.75
2000	1.77	
2500	0.70	
3150	1.70	1.71
4000	1.69	
5000	1.75	



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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