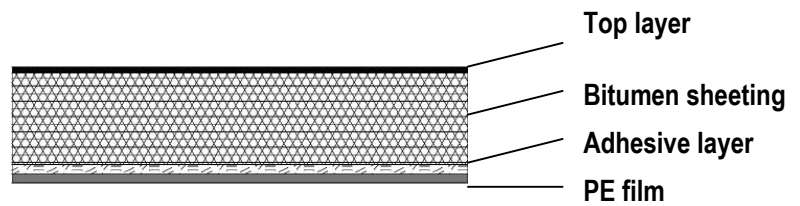


))) NOISEflex® Vibra heavy

Noiseflex® Vibra heavy is a heavy, flexible sheeting on bitumen base without a reinforced layer. It is filled with mineral compound and is self-adhesive, provided with a high quality acrylate-based adhesive system. A HDPE film is applied as top layer.



Technical data:

Name	Noiseflex® Vibra heavy			
	3 kg	5 kg	8 kg	10 kg
Weight of the overall product [kg/m ²]	3.0 ± 0.3	5.0 ± 0.3	8.0 ± 0.3	10.0 ± 0.3
Thickness of the overall product [mm]	approx. 1.6	approx. 2.7	approx. 4.3	approx. 5.6
Density of the compound [g/cm ³]	approx. 1.95	approx. 1.95	approx. 1.95	approx. 1.95
Acoustic effect (loss factor at 200 Hz DIN EN ISO 6721-3 at rt)				
10 °C	0.11	0.20	0.25	0.24
20 °C	0.09	0.19	0.35	0.32
30 °C	0.05	0.14	0.25	0.36
Fire behaviour				
DIN EN ISO 11925 / EN 13501 – 1	Class E	Class E	Class E	Class E
DIN 75 200 [mm / Min.]	max. 100	max. 100	max. 100	max. 100
Application temperature substrate, product	20 – 35 °C			

Product benefits of Noiseflex® Vibra heavy:

- Sound deadener
- Sound damping
- High density for advanced damping results
- HDPE foil as antiblocking equipment
- Acrylic based pressure sensitive adhesive layer

Use of Noiseflex® Vibra heavy:

Soundproofing and damping treatment

Chemical resistance:

Noiseflex® Vibra heavy has a good resistance against water, alcohol and diluted acids and bases. If exposure is expected, tests to determine specific resistivity are required.

Application areas:

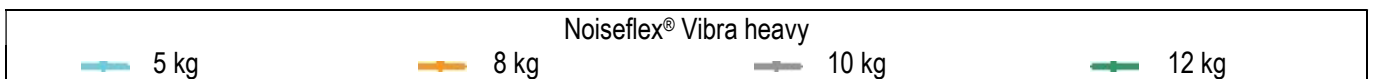
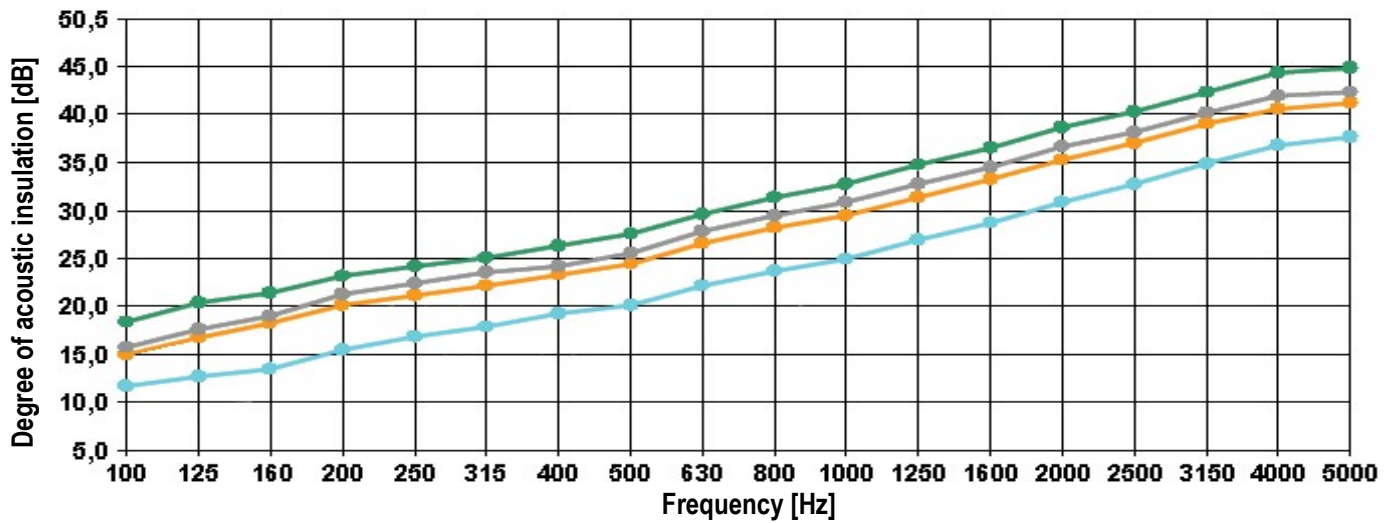
Noiseflex® Vibra heavy was developed for the noise damping in the field of industry solutions, such as air ducts, body and vehicle manufacturer, household appliances, partition walls, sound insulating doors, window sills, mechanical engineering, noise encapsulation, shipbuilding, railway construction.

Noiseflex® Vibra heavy is as well suitable for automotive solutions, in household and small appliance sector and in many other business fields, where sound damping is required.

This product is suitable for experienced professional users only.

Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

Frequency-dependent degree of acoustic insulation in acc. with ISO 140:



Material	Noiseflex® Vibra heavy		
	5 kg	8 kg	10 kg
Target mass per unit area [kg/m ²]	5.0	8.0	10.0
Sample weight [kg/m ²]	4.8	7.8	9.5
R_w [dB] in acc. with DIN 52210	25	29	31
100 Hz	11.7	15.0	15.7
125 Hz	12.7	16.7	17.6
160 Hz	13.5	18.2	19.0
200 Hz	15.5	20.1	21.3
250 Hz	16.8	21.1	22.4
315 Hz	17.9	22.2	23.5
400 Hz	19.3	23.3	24.2
500 Hz	20.1	24.4	25.6
630 Hz	22.2	26.6	27.8
800 Hz	23.7	28.2	29.5
1000 Hz	24.9	29.4	30.8
1250 Hz	26.9	31.3	32.7
1600 Hz	28.7	33.2	34.5
2000 Hz	30.8	35.3	36.6
2500 Hz	32.7	37.0	38.2
3150 Hz	34.9	39.0	40.2
4000 Hz	36.8	40.6	41.9
5000 Hz	37.6	41.1	42.3

Processing:

Surface preparation: Surfaces must be clean, dry and free from grease, oil, water and dust. Clean surface. Ensure a smooth, full surface adhesion. The adhesive strength for cold gluing depends decisively on the hydraulic force. The parts must therefore be pressed together over the entire surface. Use a pressure roller for this purpose. Application may only be processed on material and substrate temperatures between 20 °C and 35 °C. If the bituminous mat must be applied outside the recommended temperature conditions, a validation of the specific application is required. Adequate additional mechanical fixation must be ensured.

Storage:

Noiseflex® Vibra heavy has to be stored dry and protected from UV light. The storage temperature is between 0 °C and 35 °C. Consider, that at temperature below 15 °C the bitumen starts to get brittle and can break. Therefore, if products are sourced from a cold storage it must be handled with care. Ensure that the product has reached the defined application temperature before it is applied. This might be realized by storing the parts for 24 to 48 hours prior application at the assembly line. Note: Storage outside of standard conditions can affect the shelf life. Storage time when these storage conditions are observed is at least 4 months

Form of delivery:

Available as sheets in weights per unit area of 3, 5, 8, and 10 kg/m² in standard size, with dimensions of approx. 1000 x 1000 mm. Other weights and / or other dimensions are available on request.

Identification:

The product is not subject to the identification regulations according to EC Guidelines / the Dangerous Products Act

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, 2026. Please request the latest version after Jan. 01, 2027.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils