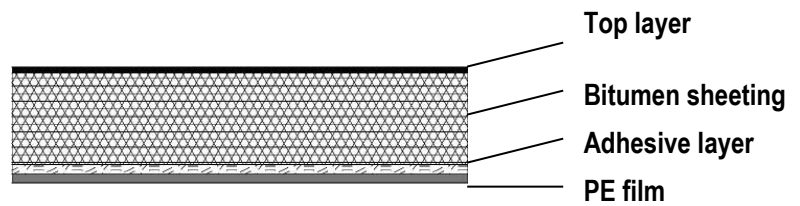


NOISEflex® Vibra heavy

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 polyethylene (PE) 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. 1.9	approx. 1.85	approx. 1.85	approx. 1.8
Heat resistant [°C] for 30 min vertical for 2 h vertical	bis 120 bis 100	bis 120 bis 100	bis 120 bis 100	bis 120 bis 100
Cold flexibility [mm] (mandrel bending at 10 °C, Ø- mandrel)	30	40	50	60
Adhesive strength [N / cm] (peel resistance at 20 °C and 100 mm / min)	> 4	> 4	> 4	> 4
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 DIN 75 200 [mm / Min.]	Class E max. 100	Class E max. 100	Class E max. 100	Class E max. 100
Chemically resistant to	water, alcohols, diluted acids and lyes			

Use:

Soundproofing and damping treatment

Applications:

Body and vehicle manufacturer, household appliances, shipbuilding, mechanical engineering, partitions, air ducts, sound insulating doors, noise encapsulation, etc.

Processing:

Remove dust, grease, oil and water from the 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. A pressure roll is suitable for this purpose, for example. Cold gluing should not be carried out below a material temperature of 15 °C. Adequate additional mechanical fixation must be ensured.

Storage:

Storage time when storing in dry conditions at a temperature of 18 to 35 °C: 3 months

Form of delivery:

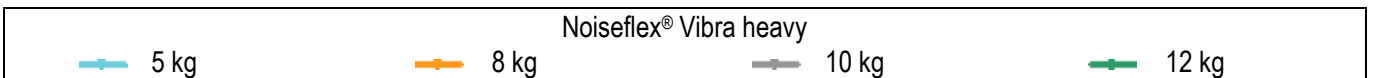
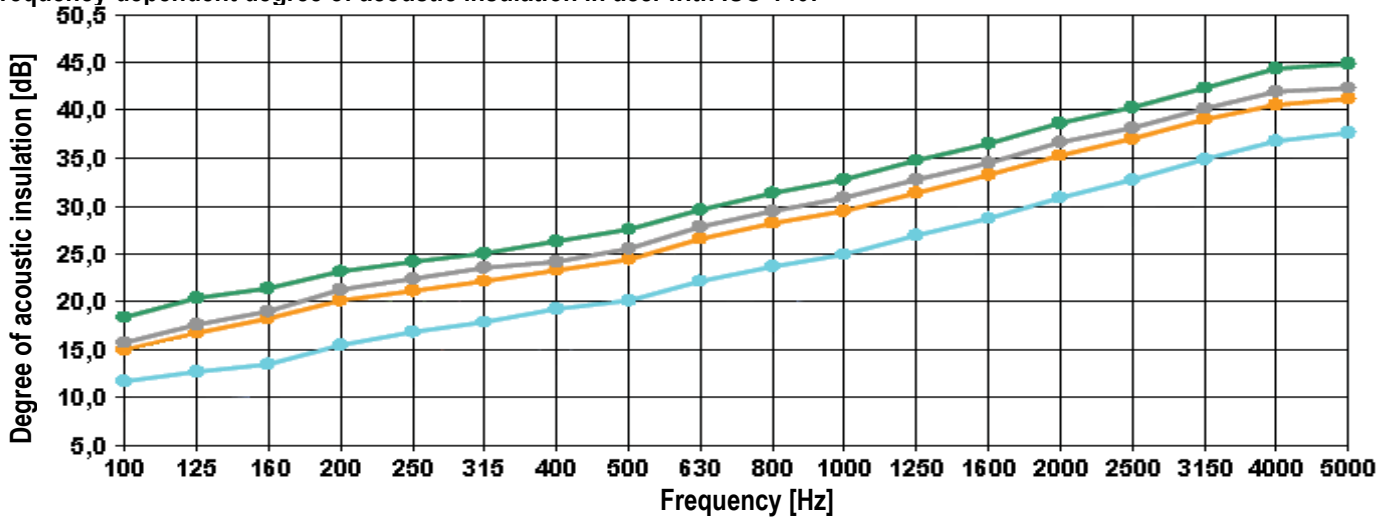
Available as sheets in weights per unit area of 3, 5, 8, and 10 kg / m² in standard size, with dimensions of approx. 1000 x 1000 mm. Other weights and / or other dimensions are available on request.

Identification:

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

NOISEflex® Vibra heavy

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

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.

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

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