

## NOISEflex® Proof VB

Noiseflex® Proof VB is a composite foam made from flexible polyurethane foam, which is surface-coated on one side/both sides with a polyurethane skin for protection. Whereas the foam has excellent sound insulation and vibration decoupling properties, the surface skin protects the foam from liquids such as water or various industrial oils. As for the average sound absorption coefficient, the use of Noiseflex® Classic VB results in excellent sound absorption values. Self-adhesive backing can be applied to the panels for the most flexible installation.



### Application examples, depending on the volume weight for:

- |                           |  |
|---------------------------|--|
| Sound insulation          | <ul style="list-style-type: none"> <li>• in machines</li> <li>• air conditioning systems</li> <li>• ventilation systems</li> <li>• sheet metal cladding</li> </ul> |
| Vibration decoupling      | <ul style="list-style-type: none"> <li>• of machines</li> </ul>  |
| Airborne sound insulation | <ul style="list-style-type: none"> <li>• in machine rooms</li> </ul>   |

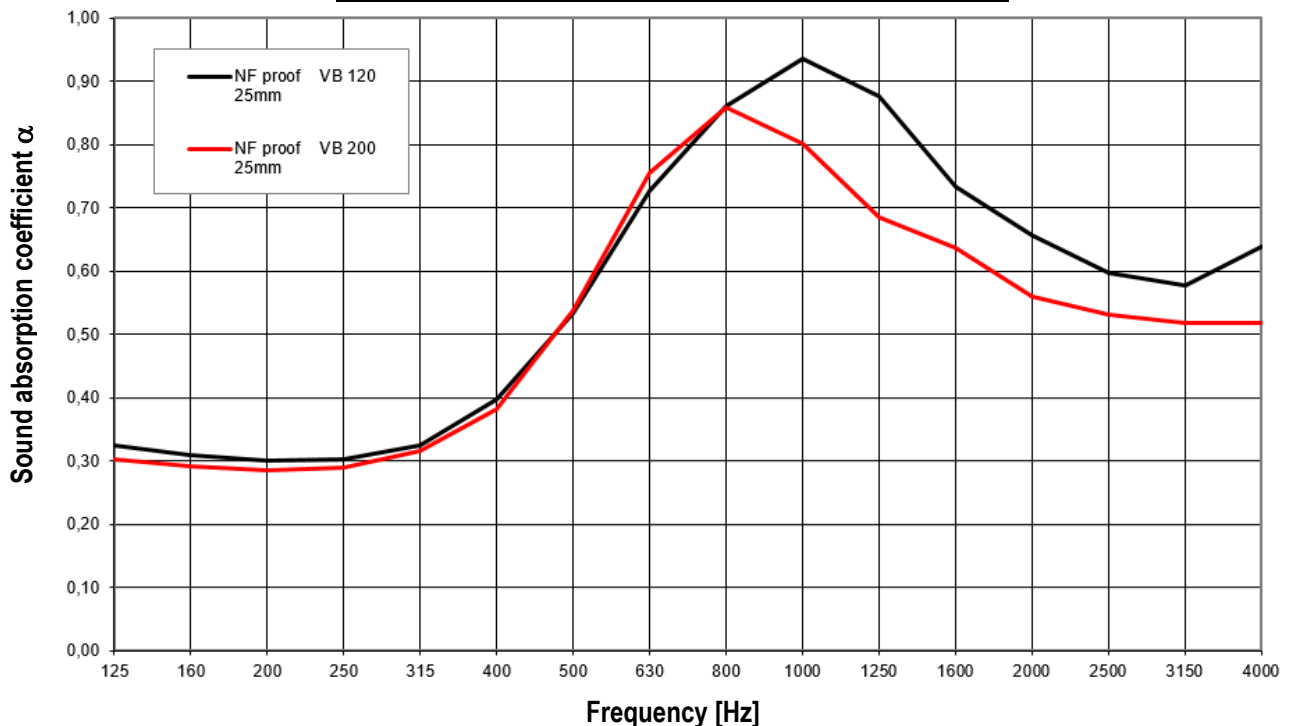


### Technical data:

Trade name	Composite foam	
Basic	Polyurethane soft foam	
Skin	Polyurethane film, approx. 20 µm thick, black	
Delivery form	Panels 2000 x 1000 mm or cut to size on request	
Colour	Foam	coloured
	Skin	black
Compression hardness	28 kPa ± 10 kPa	DIN EN ISO 3386
Burning behaviour of the foam	BR < 100 mm / min.	MVSS 302
Bulk density (standard)	Noiseflex® Proof VB 120	120 kg / m³ ± 25 kg / m³
	Noiseflex® Proof VB 200	200 kg / m³ ± 25 kg / m³
Other densities available on request.		
		DIN EN ISO 845
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Sound absorption coefficient of Noiseflex® Proof VB in the Impedance Tube as per DIN EN ISO 10534-2:

Frequency [Hz]	NF Proof VB 120 25 mm thick	NF Proof VB 200 25 mm thick
125	0.32	0.30
160	0.31	0.29
200	0.30	0.29
250	0.30	0.29
315	0.32	0.32
400	0.40	0.38
500	0.53	0.54
630	0.73	0.75
800	0.86	0.86
1000	0.94	0.80
1250	0.88	0.69
1600	0.73	0.64
2000	0.66	0.56
2500	0.60	0.53
3150	0.58	0.52
4000	0.64	0.52



**Attention! Important Note:**

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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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