

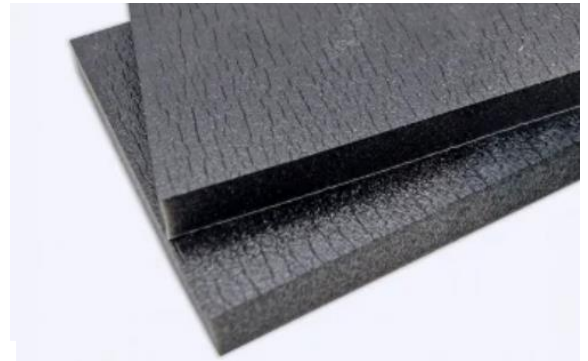
Description:

Noiseflex® Proof is a self adhesive polyurethane foam that is super-coated on one side with a polyurethane skin.

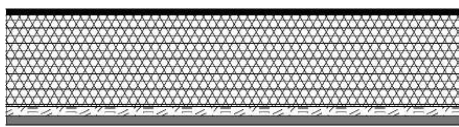
Application areas:

For sound reduction in machinery, circuit housings; air conditioning units, ventilation ducts and sheet metals.

Also suited for thin sheet metals in automobile manufacturing (engine and trunk).



Construction of Noiseflex® Proof Vario:



Optional:
PU protective foil

Noiseflex® sound absorber foam material

Optional:
Self-adhesive layer with siliconized cover foil
or siliconized cover paper

Technical Data:

Design	polyurethane foil (skin) polyurethane flexible foam self-adhesive coating protective paper	
Polyurethane foil	approx. 25 µm thick, black	
Adhesive	acrylate adhesive, free of solvents	
Peel resistance	≥ 20 N / 25 mm	AFERA 4001 P11
Covering material	silicon foil or silicon paper	
Temperature range	- 30 °C to + 100 °C	
Resistance to condensed moisture	good	
Resistance to ageing	very good	
Impermeability for oil / water	very good	
Thickness	approx. 10 mm approx. 20 mm approx. 25 mm	
Colour	anthracite	
Thermal conductivity of the foam	$\lambda = 0.04 \pm 0.005 \text{ W / m}\cdot\text{K}$	bibliographical reference
Fire behaviour of the foam	in accordance with FMVSS 302	without adhesive / PU skin
Standard dimensions	1000 x 500 other dimensions available on request.	

Processing instructions:

In order to achieve a proper adhesion, the subsurface has to be dry and free of dust, oil and grease as well as sustainable. In the case of metals and plastics a cleaning with one of our cleaners is recommended. The subsurface is to be checked for conformity with the cleaner / the self-adhesive coating.

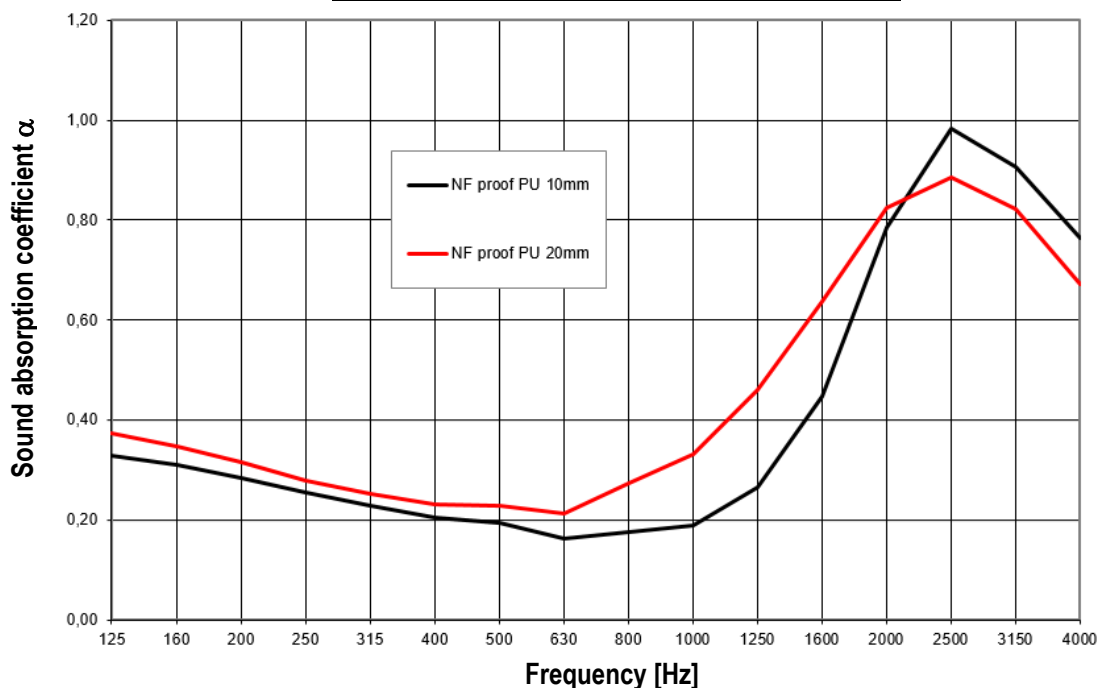
Proceed carefully when adhering, since a subsequent correction is not possible after the self-adhesive coating has come into contact with the subsurface. While processing pay attention to sufficient application of pressure while avoiding trapped air. During installation, never stretch the product.

Storage:

Store in original packaging tightly closed, dry at temperatures of + 15 °C to + 25 °C with no exposure to direct sun light. Shelf life is at least 12 months.

Sound absorption coefficient of Noiseflex® Proof VB in the Impedance Tube as per DIN EN ISO 10534-2:

Frequenz [Hz]	NF Proof PU 10mm	NF Proof PU 20mm
125	0.33	0.37
160	0.31	0.35
200	0.28	0.31
250	0.26	0.28
315	0.23	0.25
400	0.21	0.23
500	0.19	0.23
630	0.16	0.21
800	0.18	0.27
1000	0.19	0.33
1250	0.27	0.46
1600	0.45	0.64
2000	0.79	0.82
2500	0.98	0.89
3150	0.91	0.82
4000	0.76	0.67



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, 2023. Please request the latest version after Jan. 01, 2024.

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