

NOISEflex® PU 25 foam as per FMVSS
for Noiseflex® Classic, Noiseflex® Pyramis, and Noiseflex® la ola

Noiseflex® PU 25-foam is an open pore foamed polyurethane foam, which is especially used for production of our panel formed sound absorption products with various surface structures like Noiseflex® Classic, -Pyramis and -la ola. For producing of Noiseflex® PU 25, no CFCs or solvents are used.

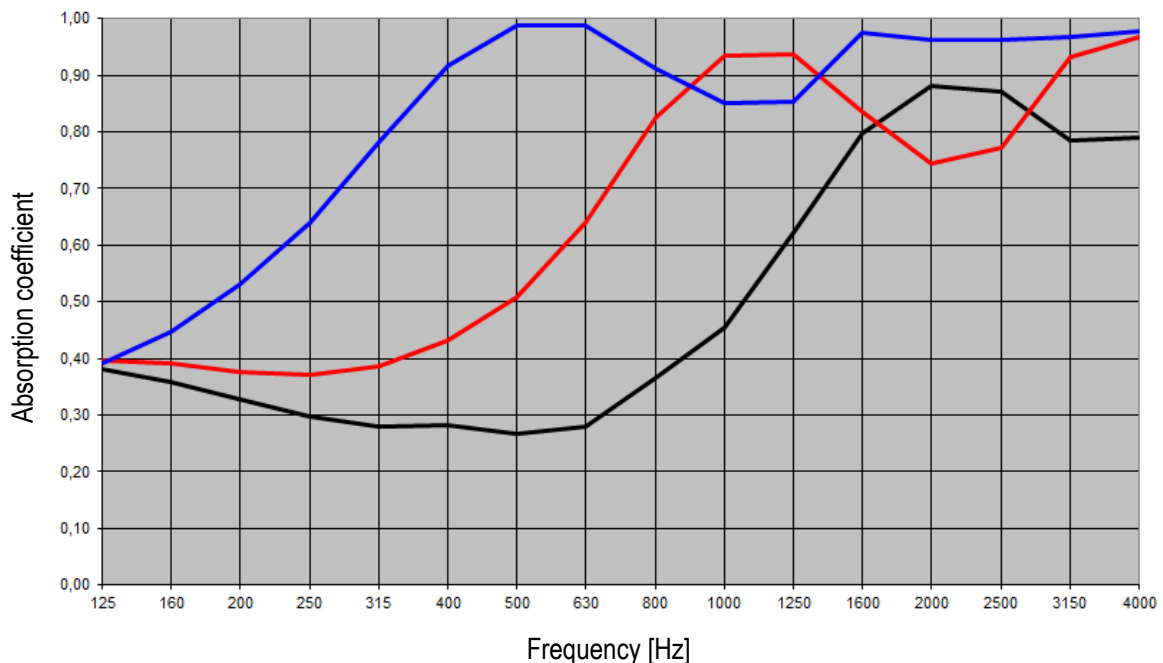
It is for insulation of airborne noise in buildings or large switch housings.

This special, high class quality foam with a burning rate < 100 mm / min. according to MVSS has a very good stability against weathering and a high imprint resistance, which makes Noiseflex® Classic, Noiseflex® Pyramis and Noiseflex® la ola particularly useful for switch rooms, gymnasiums, conference and training rooms, etc.

Technical data:

Trade name	Noiseflex® PU 25	
Material	polyurethane soft foam	
Colour	anthracite	
Raw density	19 ± 1 kg / m ³	DIN EN ISO 845
Compression load deflection	4.0 ± 0.7 kPa	DIN EN ISO 3386
Hardness loss	max. 35 %	DIN EN ISO 3386
Tensile strength	min. 100 kPa	DIN EN ISO 1798
Elongation	min. 90 %	DIN EN ISO 1798
Compression set	max. 5.5 %	DIN EN ISO 1856
Temperature stability	- 40 °C to + 100 °C	
Fire behaviour	burning rate < 100 mm / Min	MVSS 302
Thermal conductivity	λ = 0.033 – 0.04 W / (m·K)	Literature

Sound absorption of Noiseflex PU 25 in the impedance tube following DIN EN ISO 10534-2



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Sound absorption coefficient depending on the thickness			
Frequency [Hz]	30 mm	50 mm	100 mm
125	0.38	0.40	0.39
160	0.36	0.39	0.45
200	0.33	0.38	0.53
250	0.30	0.37	0.64
315	0.28	0.39	0.78
400	0.28	0.43	0.92
500	0.27	0.51	0.99
630	0.28	0.64	0.99
800	0.37	0.83	0.91
1000	0.45	0.93	0.85
1250	0.62	0.94	0.85
1600	0.80	0.84	0.98
2000	0.88	0.75	0.96
2500	0.87	0.77	0.96
3150	0.79	0.93	0.97
4000	0.79	0.97	0.98

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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