Technical Information

Noiseflex® Partition L anthracite

Noiseflex® Partition L anthracite is a high-quality partition for acoustic shielding.
Noiseflex® Partition L anthracite consists of a stable sound absorbing acoustic board made of polyester, with smoothened surface and high-quality adjustable feet from aluminium or polyester material.
The polyester fleece basis material is made from 100 % polyester fibres. For its production, for example, a recyclate of PET bottles is used. These fibres are strengthened thermally and mechanically, without chemical binders. In compliance with STANDARD 100 by OEKO-TEX®, it achieves product class I for childcare articles.

OEKO TEX®
STANDARD 100
94.0.9942
Hohenstein HTTI

Noiseflex® Partition L anthracite is a variable, visually attractive design element in the room, ideal for acoustic shielding.

LD = Lite-Design **L = Lite**

Application:
As a partition in

- offices and administration buildings
- nursery schools and schools
- shops and stores
- call centres
- banks and insurance companies

Physical properties:
PET fleece is a textile fabric of polyester fibres in anthracite colour and odourless.

Standard dimensions:

Thickness	25 mm
Height and width	1500 x 900 mm
	1800 x 900 mm

We will be pleased to provide you with further dimensions and details on request.

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Technical data:		
Fiber material	100 % polyester with approx. 25 % recycled contents	
Basis material	100 % polyester	
Thickness	25 mm	
Colour	anthracite	
Weight per unit area	approx. 3000 g/m²	
Flexural stiffness Force at 10 mm bending	28 N	following DIN EN ISO 178: Width between supports: 450 mm Width of pressure fins: 50 mm Sample dimension: 75 mm x 500 mm Testing speed: 100 mm/min
Ball indentation hardness of surface Force at 5 mm penetration	96 N	following DIN EN ISO 2039-1: Ball diameter: 20 mm Sample dimension: 100 mm x 100 mm Ball position: surface central Testing speed: 100 mm/min
Ball indentation hardness of edge Force at 5 mm penetration	79 N	following DIN EN ISO 2039-1 Ball diameter: 20 mm Sample dimension: 100 mm x 100 mm Ball position: cutting edge central Testing speed: 100 mm/min
Fire behaviour:		
Noiseflex® Partition L anthracite acoustic board	B – s2, d0 – flame retardant	DIN EN 13501-1
Emission behavior:		DIN EN 16516:
Requirements Germany	AgBB-Schema (2021)	comply
Requirements France	VOC class A+	comply
Requirements Belgium	VOC directive	comply
Thermal insulation behaviour:		
Thermal insulation factor	R_{10} = 0.75 m²·K/W	following EN 12667
Impact of microorganisms:		
Inert for fungal and bacterial growth	comply	DIN EN ISO 846, method A and C
Light reflection:		
Light reflectance factor	6.9 %	BS 8493, with standard illuminant D65
Degree of gloss	GU 0.9	DIN EN ISO 2813
Resistance to fading:		
Note	> 6	DIN EN ISO 105-B02

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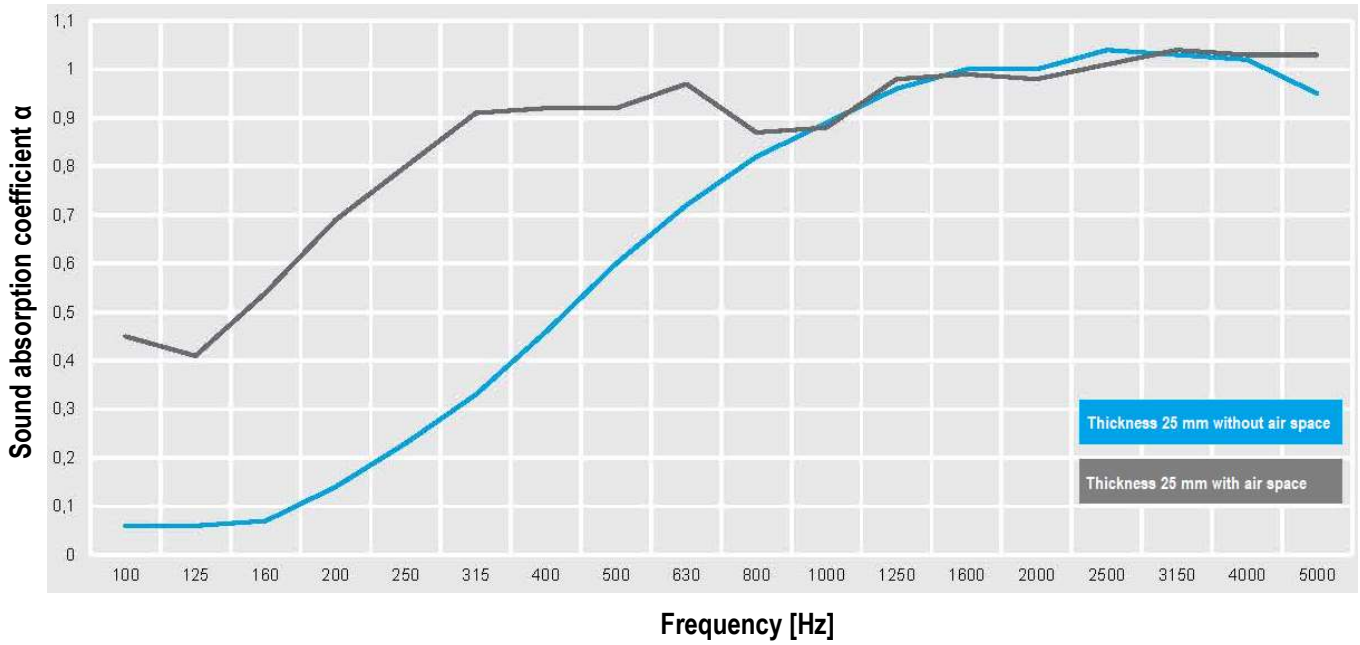
Sound absorbing properties:

	Without air space to the reverberation chamber	With 200 mm air space to the reverberation chamber	Standard
Weighted sound absorption coefficient α_w	0.55 (MH)	0.95	DIN EN ISO 11654
Sound absorption class	D	A	DIN EN ISO 11654
Noise Reduction Coefficient NRC	0.70	0.90	ASTM C 423
Sound Absorption Average (SAA)	0.68	0.91	ASTM C 423

Specific flow resistivity	1075 Pa·s/m	DIN EN ISO 9053-1
Linear flown resistivity	43.0 kPa·s/m²	DIN EN ISO 9053-1

Sound absorption in reverberation chamber in accordance with DIN EN ISO 354:



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

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