# **Technical Information**





## **Product description:**

Sound absorbing acoustic pad made of polyester, thermally strengthened, without chemical binders. Both surfaces smoothened.

## Technical data:

Material 100 % polyester fibres Thickness 50 mm

Colour grey
Weight per unit area 2500 g / m²
Maximum dimension (length x width) 2.48 m x 1.25 m





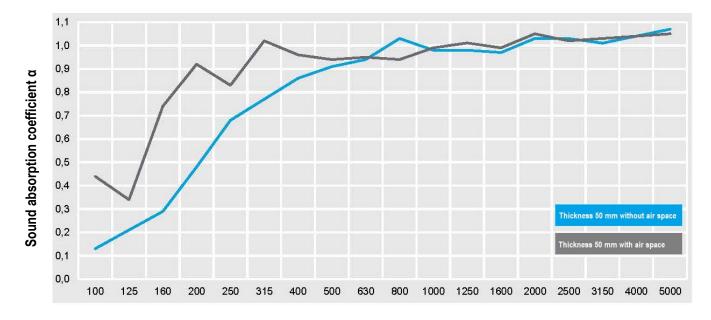
STANDARD 100 94.0.9942 Hohenstein HTTI

Sound absorbing properties:

ŭ. i	Without air space to the reverberation chamber	With 200 mm air space to the reverberation chamber	Standard
Weighted sound absorption coefficient α <sub>w</sub>	0.90	1	DIN EN ISO 11654
Sound absorption class	А	Α	DIN EN ISO 11654
Noise Reduction Coefficient NRC	0.90	0.95	ASTM C 423
Sound Absorption Average (SAA)	0.89	0.97	ASTM C 423

Specific flow resistivity	650 Pa·s/m	DIN EN ISO 9053-1
Linear flown resistivity	13.0 kPa·s/m²	DIN EN ISO 9053-1

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



Frequency [Hz]

# **Technical Information**



# **Noise**f) と X\* Conso grey 50 mm smoothened surface

Fire behaviour:

Classification according to DIN EN 13501-1 B-s1, d0

**Emission behaviour DIN EN 16516:** 

Requirements Germany AgBB-Schema comply Requirements France VOC-class A+ comply Requirements Belgium VOC-directive comply

Impact of microorganisms:

Inert for fungal and bacterial growth comply DIN EN ISO 846, method A and C

Thermal insulation behaviour:

Thermal conductivity  $\lambda_{10} = 0.0376 \text{ W/(m·K)}$  following DIN EN 12667 Thermal insulation factor  $R_{10} = 1.5 \text{ m}^2 \cdot \text{K/W}$  following DIN EN 12667

**Light reflection:** 

Light reflectance factor 26.3 % BS 8493, with standard illuminant D65

Degree of gloss GU 1.5 DIN EN ISO 2813

Resistance to fading:

Note > 6 DIN EN ISO 105-B02

#### 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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