

Product description:

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

Technical data:

| | |
|------------------------------------|---|
| Fiber material | 100 % polyester with approx. 30 % recycled contents |
| Thickness | 50 mm |
| Colour | grey |
| Weight per unit area | 2500 g / m ² |
| Maximum dimension (length x width) | 2.48 m x 1.25 m |



**STANDARD
100**



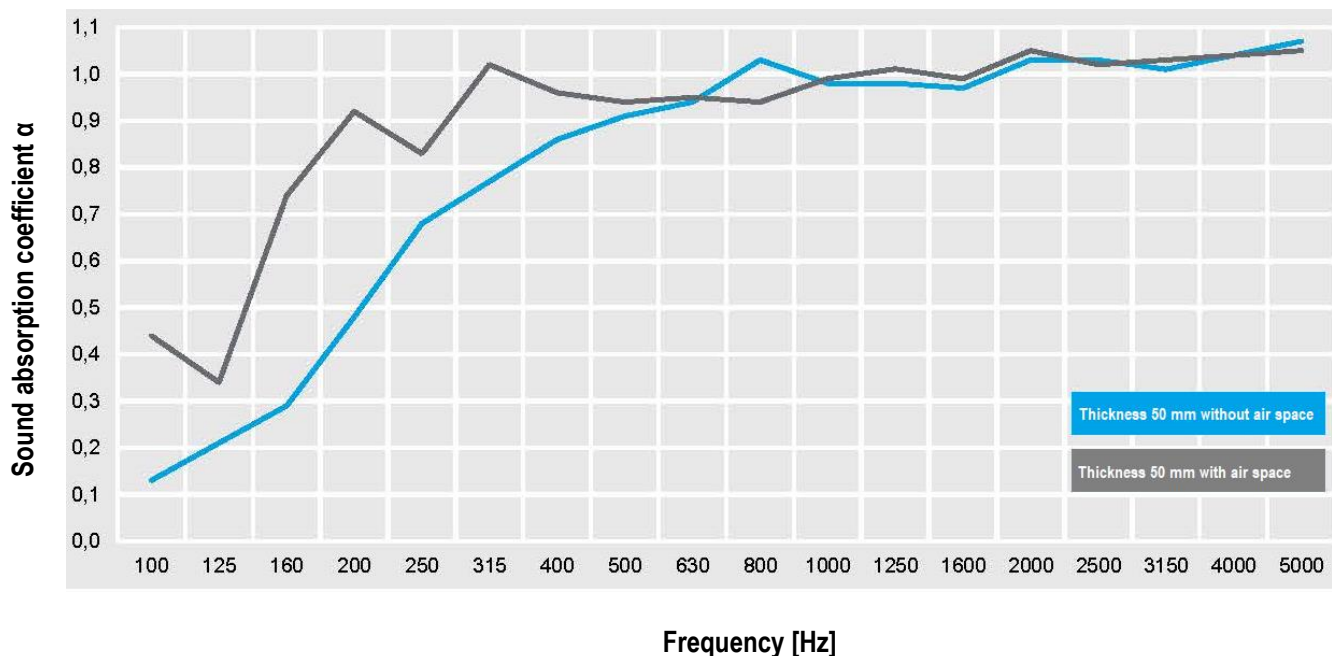
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Hohenstein HTTI**

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 | 0.90 | 1 | DIN EN ISO 11654 |
| Sound absorption class | A | A | 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/m ² | DIN EN ISO 9053-1 |

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



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 | $\lambda_{10} = 0.0376 \text{ W/(m}\cdot\text{K)}$ | 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, 2025. Please request the latest version after Jan. 01, 2026.

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