bluefiber
smart acoustic technology

Product information

# bluefiber **panel I.25**

| | |
|---|---|
| Item number | 02119-001 |
| Type of nonwoven | Sound-absorbing acoustic panel made of polyester, thermally & mechanically bonded, without chemical binders. Smoothed surface |
| Fiber composition | 100% Polyester |
| Performance type | panel I |
| Thickness<br>caliper | 25 mm |
| Color | stone beige |
| Basis weight<br>DIN EN ISO 9073-1 | 2000 g/m² |
| Standard format | 2,07 m x 3,07 m |
| Packaging unit | pallet |
| Quantity per packaging unit | 45 panels |

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SA 2026-04

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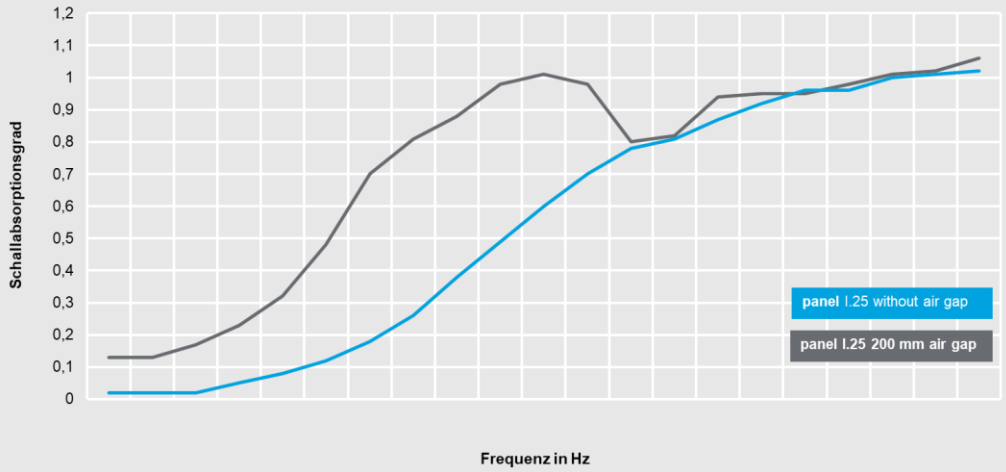
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| | without air-gap<br>to the reverberation room floor | 200 mm air-gap<br>to the reverberation room floor |
|---|---|---|
| Weighted sound absorption coefficient<br>DIN EN ISO 11654 | D I $\alpha_w$ = 0,55 (MH) | A I $\alpha_w$ = 0,95 |
| NRC<br>ASTM C423 | 0,65 | 0,90 |
| SAA<br>ASTM C423 | 0,66 | 0,90 |

| | |
|---|---|
| Specific flow resistance<br>DIN EN ISO 9053-1 | 455 Pa s/m |
| Length-related flow resistance<br>DIN EN ISO 9053-1 | 18,2 kPa · s/m² |

## Sound absorption in the reverberation room according to DIN EN ISO 354




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| | classification | assembly situation |
|---|---|---|
| Flame resistance<br>DIN EN 13501-1 | B – s1, d0 | in free standing/free hanging configuration, with a distance of at least 80 mm to other plane building materials, butted joints permissible |

The classification depends on the specific assembly situation. Performances with different assembly situations as described can change the reaction to fire and the qualified FR classification.

| | German<br>AgBB (2024) | French<br>VOC class A+ | Belgian<br>VOC-regulation |
|---|---|---|---|
| Emissions<br>DIN EN 16516 | ✓ | ✓ | ✓ |

| | |
|---|---|
| Resistance against fungi & bacteria<br>DIN EN ISO 846 – procedures A and C | inert to fungal and bacterial growth |

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| | test result | test conditions |
|---|---|---|
| Bending stiffness<br>(force at deflection 10 mm)<br>tested in accordance with DIN EN ISO 178 | 20 N | support span: 450 mm<br>width pressure fin: 50 mm<br>sample size: 75 mm x 500 mm<br>test speed: 100 mm/min |
| Ball indentation hardness surface<br>(force at indentation depth 5 mm)<br>tested in accordance with DIN EN ISO 2039-1 | 75 N | ball diameter: 20 mm<br>sample size: 100 mm x 100 mm<br>ball position: surface centered<br>test speed: 100 mm/min |
| Ball indentation hardness edge<br>(force at indentation depth 5 mm)<br>tested in accordance with DIN EN ISO 2039-1 | 60 N | ball diameter: 20 mm<br>sample size: 100 mm x 100 mm<br>ball position: cut edge centered<br>test speed: 100 mm/min |

| | |
|---|---|
| Thermal resistance (R) (10 °C)<br>tested in accordance with DIN EN 12667 | 0,76 m² K/W |

| | |
|---|---|
| Light reflectance value (at standard illuminant D65)<br>BS 8493 | 31,3 % |
| Gloss level GU<br>DIN EN ISO 2813 | 1,8 |

| | |
|---|---|
| Color fastness to artificial light<br>DIN EN ISO 105-B02 | grade > 6 |

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