bluefiber

smart acoustic technology

Product information

bluefiber **pad 50**

Item number	02059-002
Type of nonwoven	Sound-absorbing acoustic pad made of polyester, thermally bonded, without chemical binders. Smoothed surface.
Fiber composition	100% Polyester
Thickness measuring tape	50 mm
Color	white
Basis weight DIN EN ISO 9073	2500 g/m²
Standard format	1,25 m x 2,48 m
Packaging unit	box
Quantity per unit	22 pads

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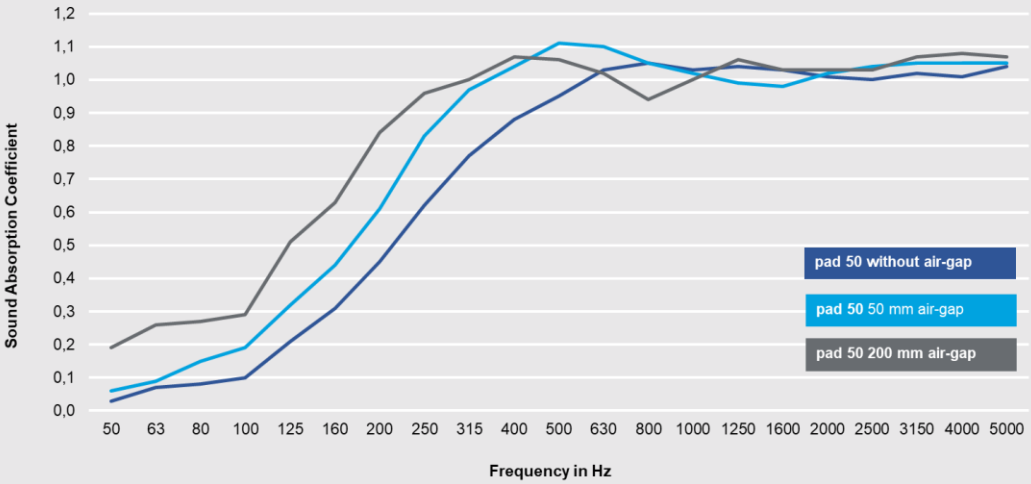
	without air-gap to the reverberation room floor	50 mm air-gap to the reverberation room floor	200 mm air-gap to the reverberation room floor
Weighted sound absorption coefficient DIN EN ISO 11654	A I α_w = 0,90	A I α_w = 1,00	A I α_w = 1,00
NRC ASTM C423	0,90	1,00	1,00
SAA ASTM C423	0,90	0,98	1,00

Specific flow resistance DIN EN ISO 9053-1	755 Pa s/m
Air flow resistivity DIN EN ISO 9053-1	15,1 kPa s/m²

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



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	classification	assembly situation
Flame resistance 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 not permissible

DIN EN 13501-1: 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 AgBB (2021)	French VOC class A+	Belgian VOC-regulation
Emissions DIN EN 16516	✓	✓	✓

Resistance against fungi & bacteria DIN EN ISO 846 – procedures A and C	inert to fungal and bacterial growth

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Thermal resistance (R) (10 °C) tested in accordance with DIN EN 12667	1,5 m² K/W

Thermal conductivity λ (10 °C) tested in accordance with DIN EN 12667	0,034 W/(m·K)

Light reflectance value (at standard illuminant D65) BS 8493	82,2 %
Gloss level GU DIN EN ISO 2813	1,7

Color fastness to artificial light DIN EN ISO 105-B02	grade ≥ 6

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