bluefiber

smart acoustic technology

Product information

bluefiber **pad 50**

Item number	02076-001
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	marble
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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SA 2026-03

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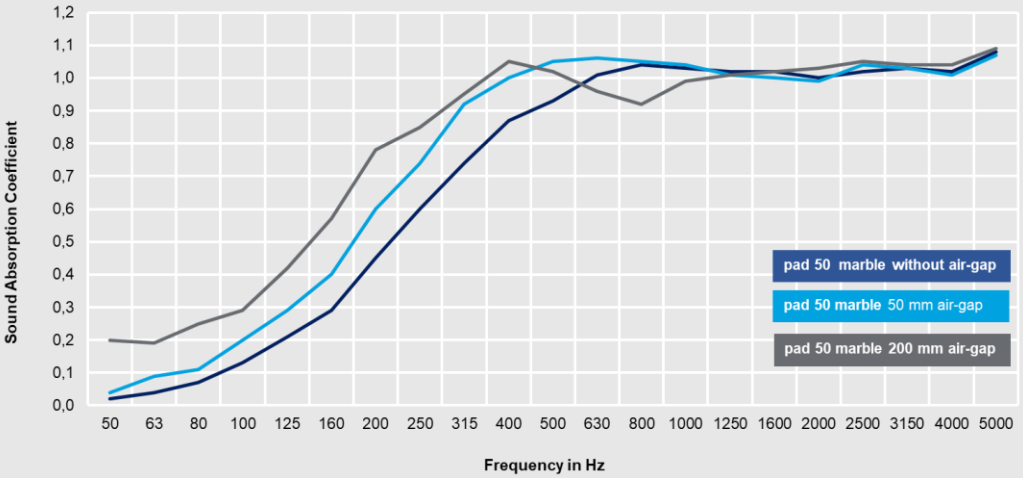
	without air-gap to the reverberation room floor	50 mm air-gap to the reverberation room floor	200 mm air-gap to the reverberation room floor
Weighted sound absorption coefficient DIN EN ISO 11654	A I α_w = 0,90	A I α_w = 1,00	A I α_w = 1,00
NRC ASTM C423	0,90	0,95	0,95
SAA ASTM C423	0,89	0,96	0,97

Specific flow resistance DIN EN ISO 9053-1	650 Pa s/m
Air flow resistivity DIN EN ISO 9053-1	13,0 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 permissible
	equivalent to B – s2, d0 when used in Germany*	

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.

* new regulation for s1 according to MVV TB 2023/1, annex 4 – table 1.2: $TSP_{600s} \leq 35\ m^2$

	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	56,0 %
Gloss level GU DIN EN ISO 2813	1,8

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

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