bluefiber
smart acoustic technology

Product information

bluefiber **mat 50, black**

Item number	02061-001
Type of nonwoven	Acoustic mat for sound insulation in buildings, thermally bonded, without chemical bonding agents
Fiber composition	100% polyester
Thickness NWSP120.6	50 mm
Color	black
Basis weight DIN EN ISO 9073-1	1500 g/m²
Standard format	1,25 m x 2,48 m
Packaging unit	mat in foil
Quantity per packaging unit	9 pieces

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SA 2026-08

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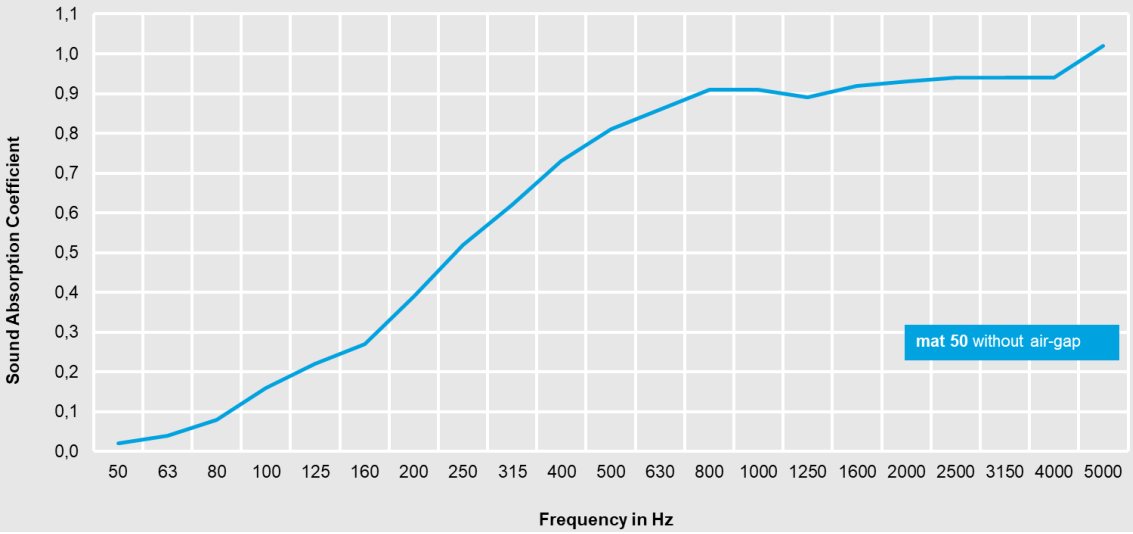
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	without airgap to the reverberation room floor
Weighted sound absorption coefficient DIN EN ISO 11654	B I α_w = 0,80 (H)
NRC ASTM C423	0,80
SAA ASTM C423	0,79

Specific flow resistance DIN EN ISO 9053-1	261 Pa s/m
Air flow resistivity DIN EN ISO 9053-1	5,2 kPa s/m²

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



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	classification	assembly situations
Reaction to fire 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

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 (2024)	French VOC class A+	Belgian VOC-regulation
Emissions behavior DIN EN 16516	✓	✓	✓

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

Thermal resistance R-value (10 °C) based on DIN EN 12667	1,4 m² K/W
Thermal conductivity λ (10 °C) based on DIN EN 12667	0,035 W/(m·K)

	Volume based moisture content	Mass based moisture content
Hygroscopic moisture storage Moisture balance at 80 % humidity DIN EN ISO 12571	≤ 0,008 Vol.-% ≤ 0,00008 m^3/m^3	≤ 0,26 Masse-% ≤ 0,0026 kg/kg

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