bluefiber
smart acoustic technology

Product information

bluefiber **panel I.40**

Item number	02118-001
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 caliper	40 mm
Color	cotton beige
Basis weight DIN EN ISO 9073-1	3000 g/m²
Standard format	2,07 m x 3,07 m
Packaging unit	pallet
Quantity per packaging unit	30 panels

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SA 2026-04

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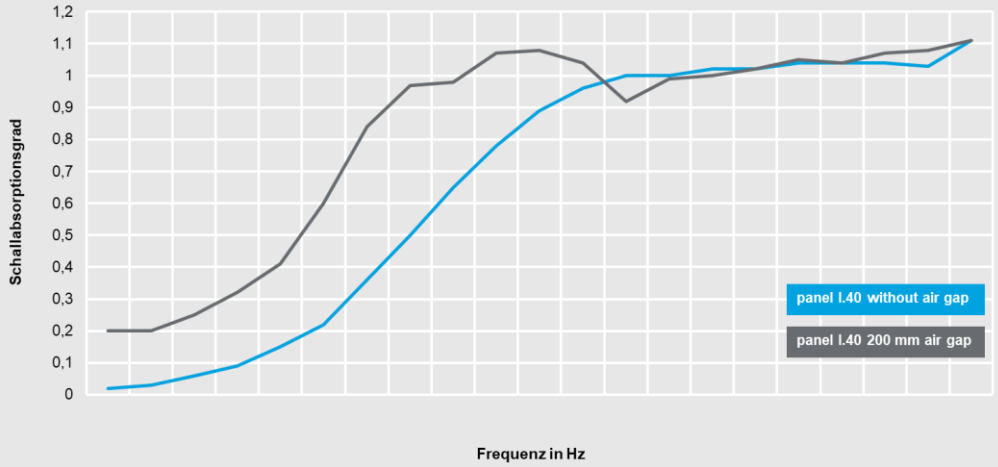
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	without air-gap to the reverberation room floor	200 mm air-gap to the reverberation room floor
Weighted sound absorption coefficient DIN EN ISO 11654	B I α_w = 0,80 (H)	A I α_w = 1
NRC ASTM C423	0,85	1,00
SAA ASTM C423	0,85	1,00

Specific flow resistance DIN EN ISO 9053-1	638 Pa s/m
Length-related flow resistance DIN EN ISO 9053-1	16,0 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 – s2, 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 AgBB (2024)	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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	test result	test conditions
Bending stiffness (force at deflection 10 mm) tested in accordance with DIN EN ISO 178	40 N	support span: 450 mm width pressure fin: 50 mm sample size: 75 mm x 500 mm test speed: 100 mm/min
Ball indentation hardness surface (force at indentation depth 5 mm) tested in accordance with DIN EN ISO 2039-1	70 N	ball diameter: 20 mm sample size: 100 mm x 100 mm ball position: surface centered test speed: 100 mm/min
Ball indentation hardness edge (force at indentation depth 5 mm) tested in accordance with DIN EN ISO 2039-1	55 N	ball diameter: 20 mm sample size: 100 mm x 100 mm ball position: cut edge centered test speed: 100 mm/min

Thermal resistance (R) (10 °C) tested in accordance with DIN EN 12667	1,22 m² K/W

Light reflectance value (at standard illuminant D65) BS 8493	52,7 %
Gloss level GU DIN EN ISO 2813	1,9

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

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