MELAMINE FOAM

DATA SHEET

soniflex

soni PROTECT/-F | PROTECT BL/-F

- Our **soni PROTECT/-BL** noise absorber is made from an open-cell melamine foam (Basotect®) with outstanding sound-absorption capacity. Use **soni PROTECT/-BL** to significantly improve the acoustic conditions in interior spaces.
- For edge-to-edge installation we recommend **soni PROTECT/-BL F.** It consists of the same material as soni PROTECT/-BL, but has beveled edges all around, which make for very neat joints and an attractive surface design while actually helping conceal any uneven patches in the ceiling or wall surface.

*Basotect® is a registered trademark of BASF SE

TECHNICAL DATA

FLAMMABILITY	▶ DIN 4102, tested according to B1 (flame-retardant, NK) ▶ DIN EN 13501-1: C-S2, d0 (NK) ▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200) ▶ ISO 3795, burning rate < 100 mm/min
TEMPERATURE RESISTANCE	▶ Long-term: -50°C to +180°C, short-term up to +200°C
THERMAL CONDUCTIVITY / EN 12667	▶ ≤ 0.034 W/(m·K) at 10°C (comparable to Styrofoam acc. to WLG 035)
AVAILABLE COLOURS	white, light grey, black

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEET / TOLERANCE [mm]	WEIGHT PER SHEET
PROTECT/-F | BL/-F	30 ± 1 50 ± 1	1000 X 500 ± 5 1000 X 500 ± 5	150 g 250 g

ADVICE

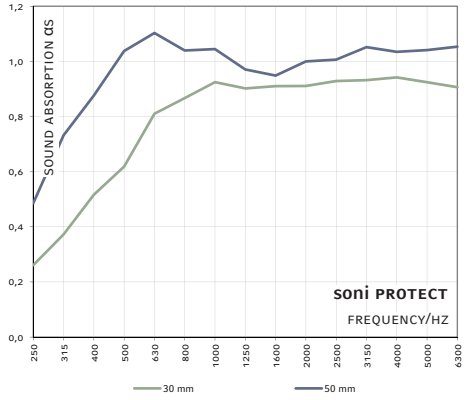
- Self-adhesive backing as an option.
- For this material, fluctuations in air humidity can lead to dimensional variations beyond the indicated dimension tolerances.
- Due to the nature of the production process, slight colour variations cannot be avoided.

BENEFITS

- High sound absorption values
- Optimized room acoustics
- Excellent flammability characteristics (B1 fulfilled)
- High ageing stability
- Free of mineral fibers, physiologically safe
- VOC-emission class as tested withh ISO 16000: product has been assigned class A (white)

REVERBERATION ROOM

- Based on DIN EN ISO 354



APPLICATIONS

- **soni PROTECT/-F** and **PROTECT BL/-F** reduce the sound level in a room and help improve the acoustic conditions in interior spaces.
- **soni PROTECT/-BL** and **PROTECT/-BL F** can easily be cut to the desired size with a carpet knife. For fixing the absorber panels on the wall or ceiling we recommend our soni SPECIAL ADHESIVE.

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PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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AIR POCKET TOLERANCES

▶ When melamine foam is produced, air pockets may form that become visible later on when the foam block is cut into sheets. The following tolerances apply for such air pockets:

Face side / edges:	Ø up to 5 mm: no restrictions
	Ø 5-15 mm: a maximum of 10 per piece
	Ø 15-25 mm: a maximum of 1 per piece
Rear face:	no restrictions as to size and number

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