

DATA SHEET

soni TRAPEZ

- ▶ **soni TRAPEZ** is a trapezoidal sound-insulation element made of open-cell melamine foam (Basotect®) with exceptional sound-absorption properties. Mounted on the ceiling, **soni TRAPEZ** elements effectively absorb noise and reduce the reverberation level in interior spaces.
- ▶ The trapeze-shaped acoustic baffels are highly resistant to aging. For direct ceiling fixation of the absorber elements we recommend our soni SPECIAL ADHESIVE. For all cases where the elements cannot or shall not be glued to the surface, our foam spirals can be used as a practical alternative for suspension from the ceiling.

Basotect® is a registered trademark of BASF SE



soni TRAPEZ, grey.

TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ DIN 4102, tested according to B1 (flame-retardant) ▶ DIN EN 13501-1: C-S3, 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)

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	ELEMENT / TOLERANCE [mm]	WEIGHT PER ELEMENT
TRAPEZ	240 ± 1	1000 X 240 ± 5	315 g

OPTION

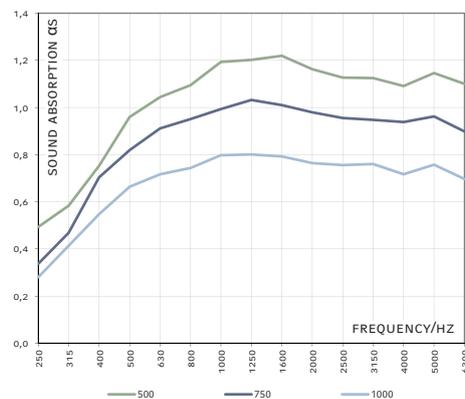
- ▶ soni TRAPEZ is in grey and white available.
- ▶ For a noticeable improvement of the room's acoustics, we recommend lining 30-50 % of the ceiling / wall surfaces with the acoustic panels.

BENEFITS

- ▶ High sound absorption values
- ▶ With its low weight the foam causes no additional static load on building structure
- ▶ Excellent flammability characteristics (B1 fulfilled)
- ▶ Easy and clean installation, convenient for rooms that are already in use. Easy installation even in areas with special architectural structures. No need to adapt the foam shapes to ceiling recesses, air ducts, lighting fixtures etc.
- ▶ High ageing stability
- ▶ Free of mineral fibers, physiologically safe

REVERBERATION ROOM

- ▶ Based on DIN EN ISO 354



Center distance between rows (in mm)

APPLICATIONS

- ▶ **soni TRAPEZ** meets the fire safety standards relevant for the construction industry. Especially on ceilings where crane rails, air ducts or lamps make it difficult to install sound-insulation panels across a large area, **soni TRAPEZ** is suitable thanks to its compact shape and can be easily adapted to any special structural conditions.



Ceiling design with soni TRAPEZ

PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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Cellofoam International GmbH & Co. KG
 Business unit soniflex
 P: +49 7351 340 28 61
 sales@soniflex.de / www.soniflex.de

VERSION 01/21

Distribution partner for Switzerland:
 soniflex Switzerland
 P: +41 44 377 60 50
 einkauf@soniflex.ch / www.soniflex.ch

ADVICE

▶ For this material, fluctuations in air humidity can lead to dimensional variations beyond the indicated dimension tolerances.

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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