

# DATA SHEET



## soni PROTECT | soni PROTECT F

- ▶ Out **soni PROTECT** noise absorber is made from an open-cell melamine foam (Basotect®) with outstanding sound-absorption capacity. Use **soni PROTECT** to significantly improve the acoustic conditions in interior spaces.
- ▶ For edge-to-edge installation we recommend using **soni PROTECT F**. It consists of the same material as **soni PROTECT**, 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

<b>FLAMMABILITY</b>	<ul style="list-style-type: none"> <li>▶ DIN 4102, tested according to B1 (flame-retardant)</li> <li>▶ DIN EN 13501-1: C-S2, d0 (NK)</li> <li>▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200)</li> <li>▶ ISO 3795, burning rate &lt; 100 mm/min</li> </ul>
<b>TEMPERATURE RESISTANCE</b>	▶ Long-term: -50°C to +180°C, short-term up to +200°C
<b>THERMAL CONDUCTIVITY / EN 12667</b>	▶ ≤ 0.034 W/(m·K) at 10°C (comparable to Styrofoam acc. to WLG 035)

### DIMENSIONS

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

### ADVICE

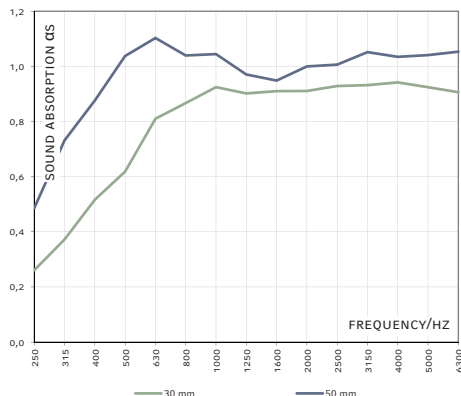
- ▶ Self-adhesive backing as an option.
- ▶ For this material, fluctuations in air humidity can lead to dimensional variations beyond the indicated dimension tolerances.

### 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 with ISO 16000: product has been assigned class A (white)

### REVERBERATION ROOM

- ▶ Based on DIN EN ISO 354



### APPLICATIONS

- ▶ **soni PROTECT** and **soni PROTECT F** reduce the sound level in a room and help improve the acoustic conditions in interior spaces.
- ▶ **soni PROTECT** and **soni PROTECT 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**.



### 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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