

DATA SHEET

soni PROTECT R

- ▶ Our **soni PROTECT R** sound-insulation panel is a high-quality recycling product based on melamine resin. What makes **soni PROTECT R** so special is its excellent sound-absorption and sound-insulation capacity, which allows for effective sound-transmission prevention.
- ▶ When mounted in the empty space behind a curtain wall or false ceiling, **soni PROTECT R** minimizes the propagation of noise, vibration and resonances – for improved sound insulation of partitions, walls and ceilings.



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ DIN EN 13501-1: E ▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200) ▶ ISO 3795, burning rate < 100 mm/min
TEMPERATURE RESISTANCE	▶ -40°C to +120°C
THERMAL CONDUCTIVITY / EN 12667	▶ ≤ 0.031 W/(m·K) at 10°C
RECYCLED CONTENT	▶ 80%

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
PROTECT R	50 ± 1	1000 X 500 ± 5	1.000 g (-200 / + 350 g)

ADVICE

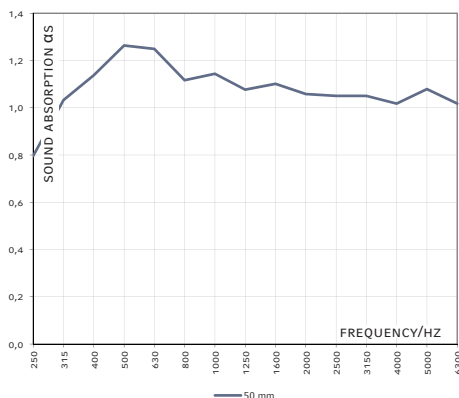
- ▶ Not suitable for application in visible areas (when applied to the entire surface).
- ▶ For this material, fluctuations in air humidity can lead to dimensional variations beyond the indicated dimension tolerances.

BENEFITS

- ▶ High sound absorption values
- ▶ Achieves higher sound insulation values than soni PROTECT alone
- ▶ Acoustic panels on walls/ceilings provide energysaving heat insulation at the same time
- ▶ High ageing stability
- ▶ Free of mineral fibers, physiologically safe

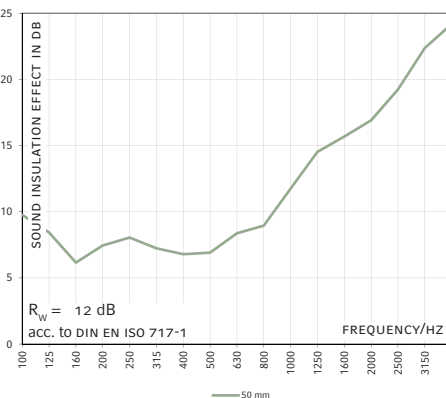
REVERBERATION ROOM

- ▶ Based on DIN EN ISO 354



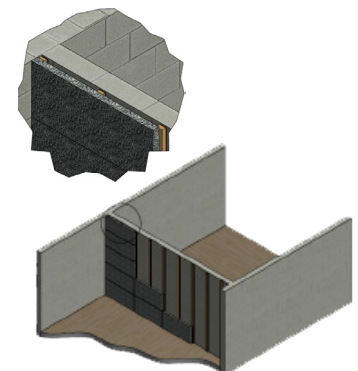
SOUND TRANSMISSION LOSS

- ▶ Test procedure similar to DIN EN ISO 10140-2



CURTAIN WALL STRUCTURE

soni PROTECT R



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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