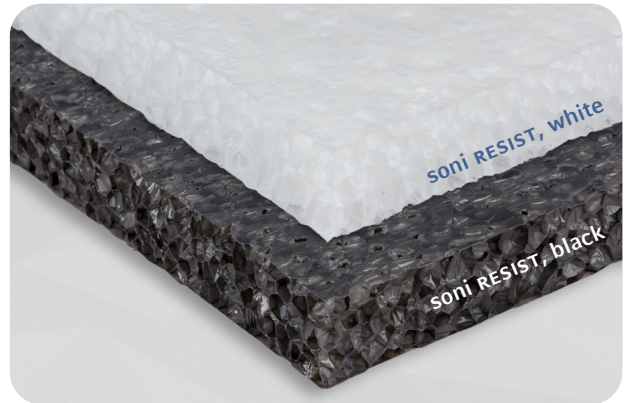


DATA SHEET

PE FOAM

soni RESIST | soni RESIST UV

- ▶ Our **soni RESIST** noise protection panel consists of closed-cell polyethylene foam with both sound-insulating and sound-absorbing properties. Its closed-cell structure makes **soni RESIST** especially suitable for applications where it may come into contact with moisture or humidity.
- ▶ Its special UV stabilizing treatment makes **soni RESIST UV** perfect for outdoor use: The material can be exposed to sunlight and scores with exceptional weathering resistance.



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ DIN 4102, tested according to B1 (30 and 50 mm) (soni RESIST, NK) ▶ DIN 4102, tested according to B2 (soni RESIST UV) ▶ DIN EN 13501: E (soni RESIST UV) ▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200) ▶ ISO 3795, burning rate < 100 mm/min
TEMPERATURE RESISTANCE	▶ -50°C to +80°C (short-term: up to 100°C for 30 min per day)
THERMAL CONDUCTIVITY / ISO 8301	▶ ≤ 0.082 W/(m·K) at -5°C
THERMAL STABILITY / SHRINKAGE ISO 2796	▶ D3575-08 Suffix S, 24 hours < 3% at 70°C
WATER ABSORPTION / UNI EN 12088	▶ Water pick up by diffusion (RH > 95% after 28 days) < 4% Vol. Advice: In case of direct weather exposure, the cut edges and the exposed side need to be covered.

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
RESIST / RESIST UV	25, 50 -0/+8	1000 X 500 ± 5	315 g / 630 g

OPTION

- ▶ **RESIST sk:** Self-adhesive layer. When mounted overhead or on uneven or curved surfaces, mechanical fixation is required.

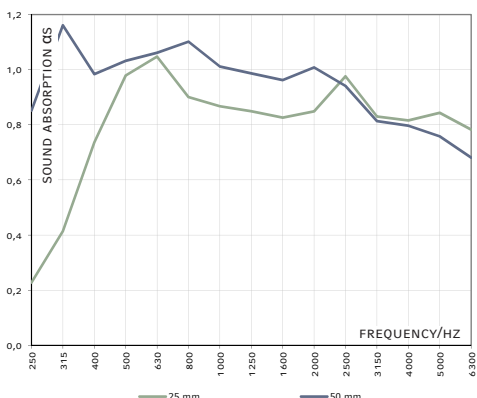
BENEFITS

- ▶ Low water absorption / Does not offer a substratum for the growth of bacteria or mold
- ▶ Good flammability characteristics (B1 fulfilled, soni RESIST)
- ▶ Very good stability and sturdiness
- ▶ Dirt-repellent and easy to clean
- ▶ Ball impact resistance according to DIN 18032-3 for sports halls and gyms as well as EN 13964: 2014 Annex D: Class 1A (soni RESIST)

PE FOAM

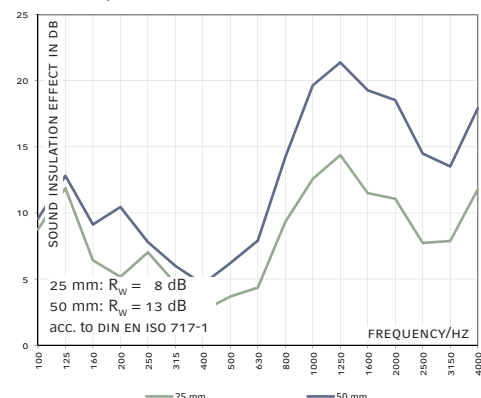
REVERBERATION ROOM

- ▶ Based on DIN EN ISO 354



SOUND TRANSMISSION LOSS

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



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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