

DATA SHEET

soni HEAVY | soni HEAVY ALU

- ▶ **soni HEAVY** is a heavy layer made from elastomer-modified bitumen. Its surface is protected by a transparent polyester film.
- ▶ **soni HEAVY ALU** is a sound-deadening layer made from elastomer-modified bitumen with an aluminum surface. The heat-reflecting effect of the aluminum layer provides **soni HEAVY ALU** with a good fire safety classification.
- ▶ Our heavy layer **soni HEAVY** and **soni HEAVY ALU** is widely used for technical applications as well as in vehicles and machines.



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ Fulfills the strict fire safety standard for the automotive industry (FMVSS 302, DIN 75 200) ▶ ISO 3795, burning rate < 100 mm/min ▶ EN 45545-2: requirement R1, HL 3 fulfilled (soni HEAVY ALU) ▶ ECE R-118, annexes 6, 7 + 8 fulfilled (soni HEAVY)
TEMPERATURE RESISTANCE	▶ -30°C to +100°C (if placed on a steel surface)
ADHESION TO STEEL SHEET	▶ > 15N/5 cm at 20°C (acc. to Cellofoam test instruction 4.01)

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
HEAVY	1.8 ± 0.2	1000 X 500 ± 5	1.500 g
	2.7 ± 0.8	1000 X 500 ± 5	2.500 g
HEAVY ALU	2.7 ± 0.5	1000 X 500 ± 5	2.500 g

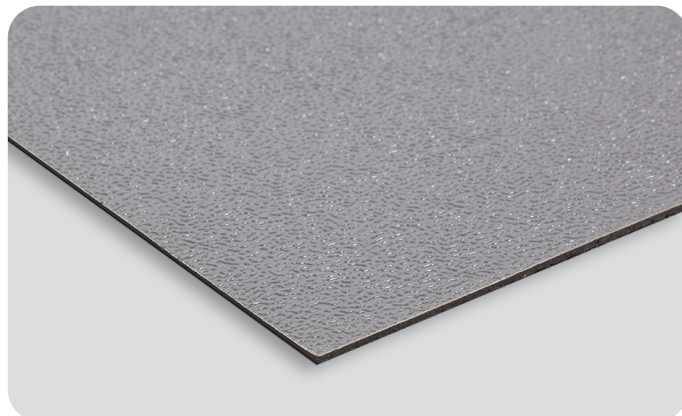
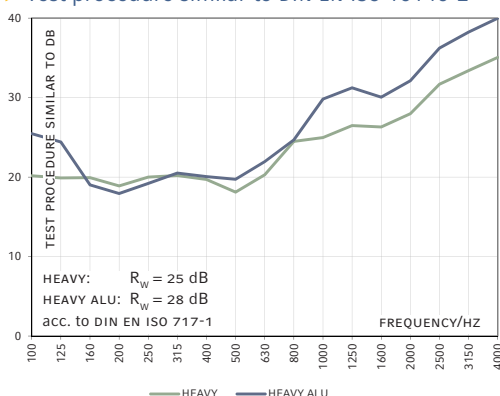
ADVICE

VORTEILE

- ▶ The self-adhesive layer functions primarily as an installation aid. In case of vertical or overhead installation, additional mechanical fixation is required. An additional function of the self-adhesive layer is to ensure that the heavy foil is closely attached to the entity of the supporting surface for optimum noise attenuation results.
- ▶ Excellent sound insulation values
- ▶ Eliminates vibrations and drumming of sheet metal and metal parts
- ▶ High temperature resistance
- ▶ Reflection of heat radiation (soni HEAVY ALU)
- ▶ Good flammability rating and excellent absorption values (soni HEAVY ALU)
- ▶ Excellent sound insulation values (soni HEAVY ALU)
- ▶ Airborne sound insulation and solid-borne sound attenuation in a single product

SOUND TRANSMISSION LOSS

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



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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