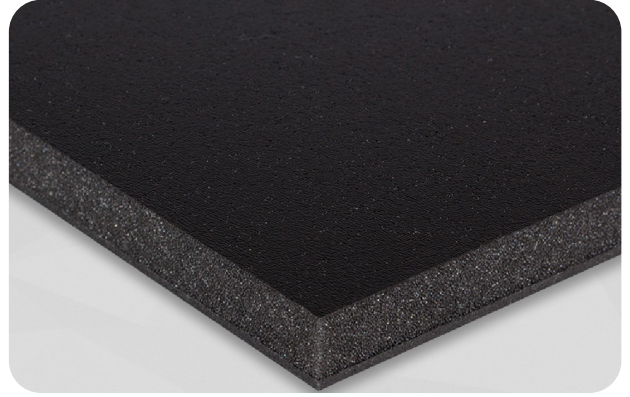


DATA SHEET

soni 491 STL

- ▶ **soni 491 STL** is an acoustically effective PUR foam covered with a micro-perforated film. On the rear side, soni 491 STL is equipped with a self-adhesive heavy layer that ensures effective sound insulation.
- ▶ When mounted in the empty space behind a curtain wall or suspended ceiling, or inside a partition wall, **soni 491 STL** minimizes the propagation of resonances – for improved noise insulation of walls and ceilings. This achieves a noticeable reduction in noise.



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
TEMPERATURE RESISTANCE	▶ -40°C to +100°C
THERMAL CONDUCTIVITY / EN 12667	▶ ≤ 0.040 W/(m·K) at 10°C

DIMENSIONS

PRODUCT	THICKNESS / TOLERANCE [mm]	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
491 STL	32 ± 1	1000 X 500 ± 5	1.800 g

ADVICE

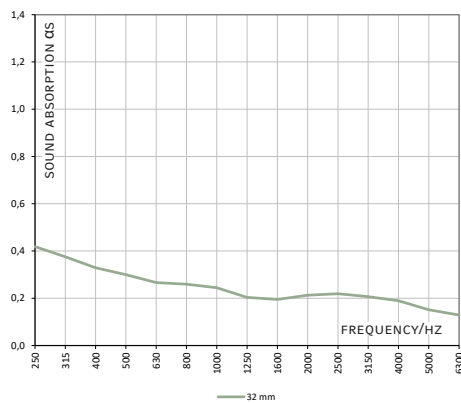
- ▶ The self-adhesive layer functions primarily as an installation aid. In case of vertical or overhead installation, additional mechanical fixation is required. An additional function of the self-adhesive layer is to ensure that the heavy foil is closely attached to the entity of the supporting surface for optimum noise attenuation results.

BENEFITS

- ▶ Double effect: sound attenuation and sound insulation
- ▶ Surface can be wiped clean
- ▶ Free of halogens
- ▶ Oil,- water- and fuel-repellent surface
- ▶ Suitable for applications with relatively high humidity levels

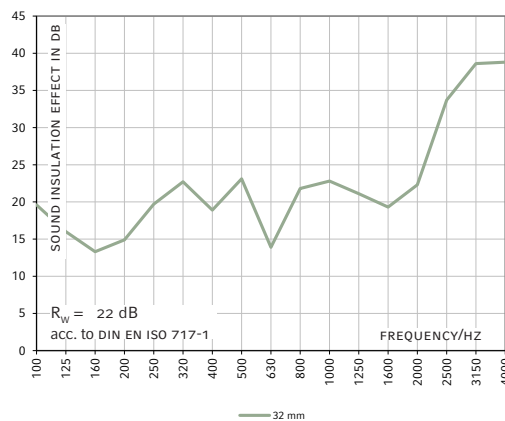
REVERBERATION ROOM

- ▶ Based on DIN EN ISO 354



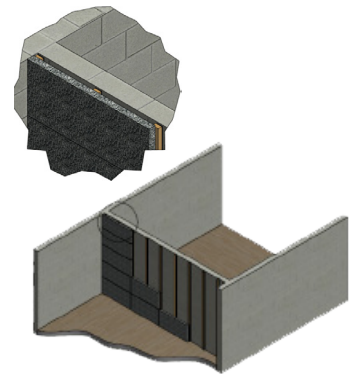
SOUND TRANSMISSION LOSS

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



CURTAIN WALL STRUCTURE

soni 491 STL



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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