POLYESTER NON-WOVEN

DATA SHEET

soniflex

soni COMFORT | soni COMFORT F

- **soni COMFORT** is a very hard-wearing sound absorber made of a white PES non-woven fabric with exceptionally good sound-absorption capacity. In addition, **soni COMFORT** offers excellent fire-resistance values.
- For covering entire wall or ceiling surfaces we recommend using **soni COMFORT F**. While **soni COMFORT** has plain edges, soni **COMFORT F** has beveled edges all around (10 x 10 mm), creating a beautiful visual effect when installed edge to edge. Additional advantage: The resulting pattern helps conceal any uneven patches on the ceiling or wall.

Completely recyclable

TECHNICAL DATA

FLAMMABILITY	▶ DIN 4102, tested according to B1 (flame-retardant)* ▶ 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 +150°C
THERMAL CONDUCTIVITY / EN 12667	▶ ≤ 0.037 W/(m·K) at 10°C (comparable to Styrofoam acc. to WLG 035)
DIMENSION CHANGE WHEN EXPOSED TO HEAT	▶ at temperatures above 100°C: approx. ± 10%

*glued on plaster board with soni SPECIAL ADHESIVE

DIMENSIONS

PRODUCT	THICKNESS [mm] / TOLERANCE	SHEETS / TOLERANCE [mm]	WEIGHT PER SHEET
COMFORT / COMFORT F	30 ± 10% / 50 ± 10%	1000 x 500 ± 5	450 g / 750 g

ADVICE

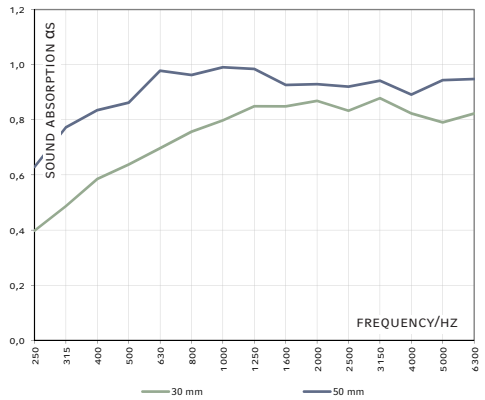
- With its beveled edges, soni COMFORT F is especially suitable for side-by-side installation to cover large surfaces. To compensate for potential thickness tolerances we recommend leaving a shadow joint of 3 to 5 cm between panels. This installation method does not only create a neat and optically attractive design, but also helps conceal surface irregularities.
- There might be minimal color variations between different lots

BENEFITS

- High sound absorption values
- Optimized room acoustics
- Excellent flammability characteristics (B1 fulfilled)
- For ceiling installation: meets impact resistance test acc. to DIN 18032-3
- High durability and good shape stability
- Free of mineral fibers, physiologically safe
- No emission of formaldehyde
- High ageing stability
- Simple fixing by means of: soni SPECIAL ADHESIVE, soni VELCRO TAPE or soni RING HANGER.

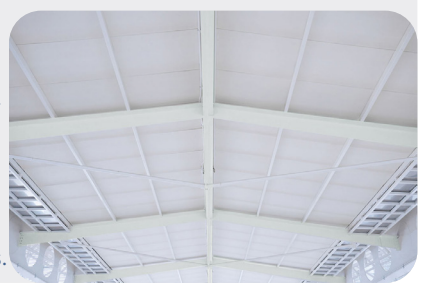
REVERBERATION ROOM

- Based on DIN EN ISO 354



APPLICATIONS

- **soni COMFORT** and **soni COMFORT F** has been tested successfully according to the DIN 4102 fire safety standard and is classified as fire-retardant (B1). Therefore it is the material of choice for all applications requiring both an effective noise reduction and full compliance with fire safety regulations. When used as a ceiling element, **soni COMFORT** also fulfills the impact-resistance requirements according to DIN 18032-3 and is ideally suited for use in sports facilities and gymnasiums.



PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

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