

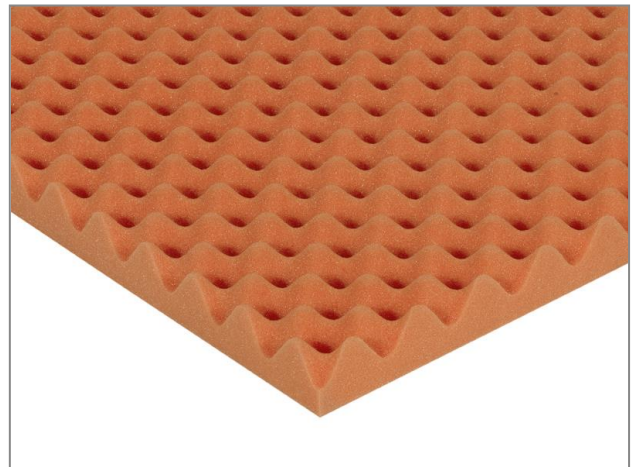
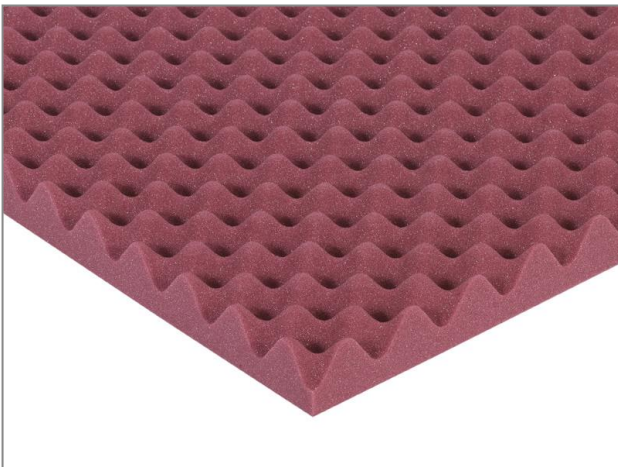
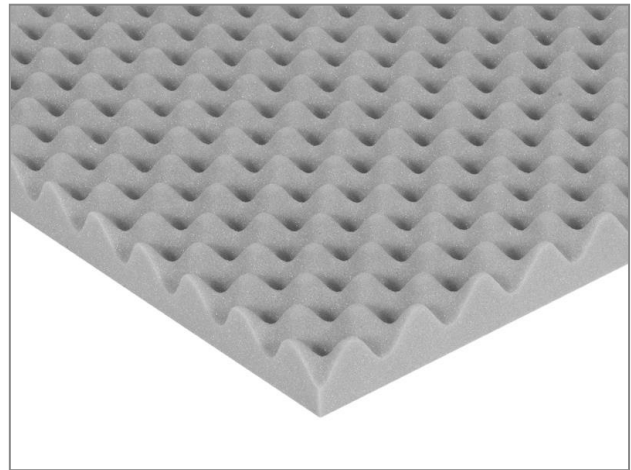
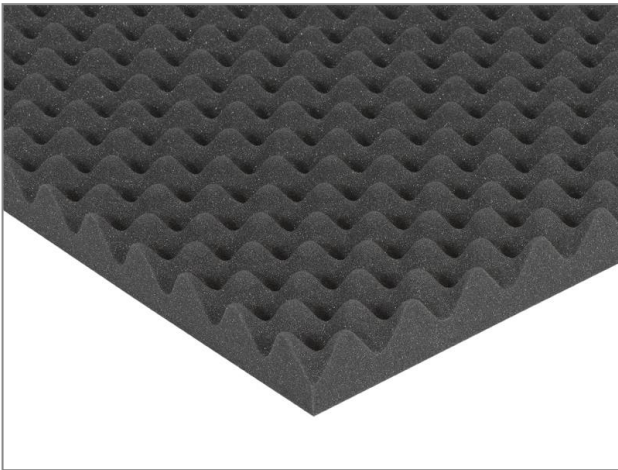
## TECHNICAL DATA SHEET

Designation	Acoustic Absorber SH002
Material	Open celled polyurethane acoustic foam

Surface Form	Convoluted (egg crate) Rectangle
Colors	Anthracite, light grey, raspberry red, orange

## Convoluted acoustic foam absorber SH002

Highly effective sound absorber manufactured from acoustic foam



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aixFOAM® is a registered trade mark.

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### Acoustic Absorber SH002

Advantages and characteristics in a glance

- High absorption rates even with thin material thicknesses
- wide range of applications due to its broad absorption spectrum
- easy installation (gluing or clamping)
- non-mineral fiber material
- High color change time

The Acoustic Absorber SH002 is highly effective in terms of sound insulation and sound absorption. The sound absorbing element can be used flexibly in many different application areas through the individual choosable basic material (available in different fire protection classes and colors) and different material thicknesses.

### Properties

- Outstanding acoustic properties
- Attractive appearance with convoluted surface
- Conversion of sound into thermal energy based on open celled pore structure
- Professional acoustic solution for various application areas
- Creative design versatility through different formats, thicknesses and colors
- Equally suitable for wall and floor assembly
- Available with optional flame retardant additive in different fire protection classes
- Made of special acoustic foam that, compared to conventional foams within xenon tests, take a considerably longer time until showing colour changes, thus have superior light ageing properties.
- Free of mineral fibre
- CFC-free

### Temperature Resistance

- 40 °C to + 100 °C

### Heat Conductivity

0,033 W/mK – DIN 52612

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## Areas of application

- Significant acoustical improvement in recording studios
- Acoustical improvement in HIFI rooms
- Sound insulation of rehearsal rooms
- Significant acoustical improvement in office buildings and call center
- Acoustic ceiling and wall coverings

## Physical Effect

Air particle oscillation is decelerated and converted into thermal energy.

## Tolerance

This product is manufactured according to DIN 7715 Part 5 P3.

## Optional Features

- aixFOAM self-adhesive back
  - aixFOAM assembly/suspension cassette for the dimension 1000 mm x 500 mm
  - Available fire classification: UL 94 HF 1, FMVSS 302 (DIN 75200), FAR 25.853, DIN 4102 B2 (only with aixFOAM self-adhesive back)
  - Special sizes
-

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## Mounting options and accessories

- Oscillating plugs in connection with aixFOAM assembly/suspension cassette
- Hanging systems Style and Basic in connection with aixFOAM assembly/suspension cassette
- aixFOAM self-adhesive back

## Standard dimensions

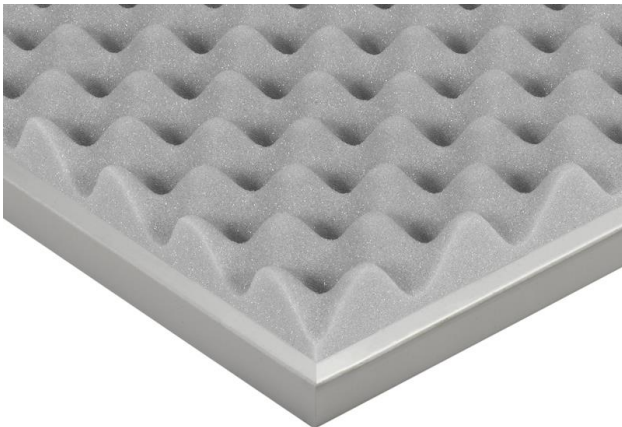


Figure shows SH002 light grey w. assembly cassette

Length [mm]	Width [mm]	Standard Thickness [mm]
1000	500	30 (15 mm foundation, 15 mm nap)
1000	500	40 (20 mm foundation, 20 mm nap)
1000	500	60 (30 mm foundation, 30 mm nap)
2000	1000	30 (15 mm foundation, 15 mm nap)
2000	1000	40 (20 mm foundation, 20 mm nap)
2000	1000	60 (30 mm foundation, 30 mm nap)

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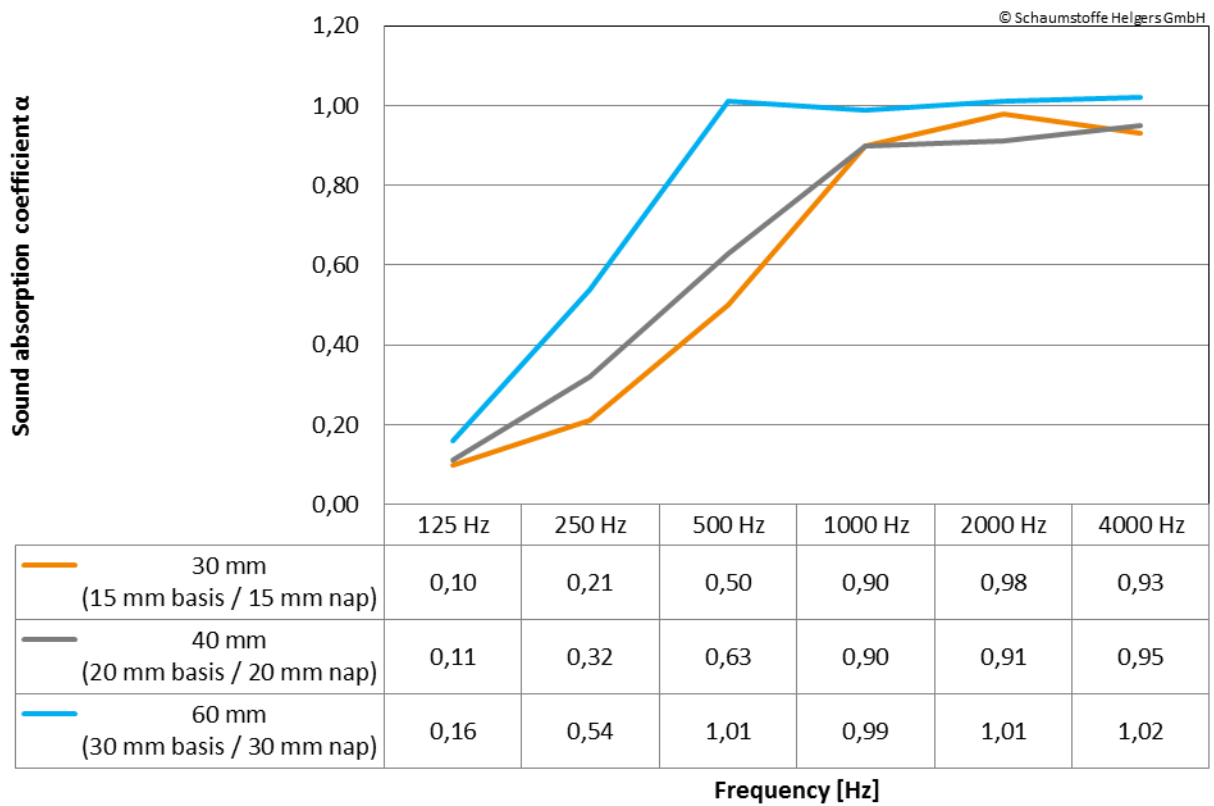
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## Sound absorption coefficient



All measurements were conducted on polyester acoustic foam material following DIN 52212.

