

AKUSTIK[®] - STOP



PYRAMID

POLYURETHANE

ACOUSTICAL

FOAM PANEL

MATERIAL

Open cell flexible polyester-based polyurethane foam, density 35 kg/m³, colour anthracite, resistant to temperatures between -50°C and +100°C. Ideal for sound absorption, as well as guaranteeing excellent thermal insulation and consequent energy saving.

STANDARD FORMATS

	35/50
	50/60
	70/50
	70/100
	100/100

STANDARD SIZE

Sheet size:
Width: 1000 mm
Length: 1000 mm
Thickness:
35 - 50 - 70 - 100 mm

Any other size may be supplied on request.
Size tolerance to DIN 7715 standard, Part 2.

REACTION TO FIRE

Class 2 (self-extinguishing, non drip material) to UL94 HF1 standard. DIN 75200 MVSS 302 standard

FIELDS OF APPLICATION

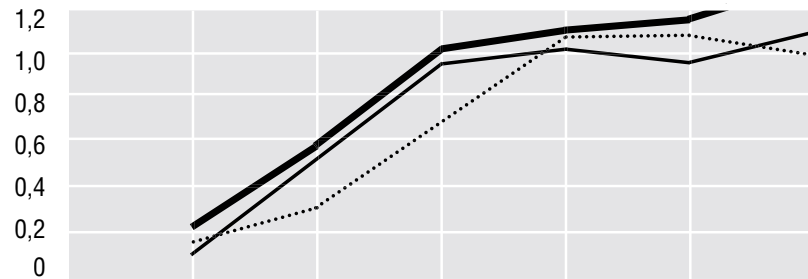
Akustik®-Stop is widely used in gymnasiums, lecture rooms, auditoriums, firing ranges, musical recording studios, radio and TV studios, for mobile acoustic paneling, compressor engine rooms, etc.

INSTALLATION

Akustik®-Stop's flexibility allows it to be cut and shaped very easily. It can be applied to any surface, even curved, provided that it is smooth and free of grease, oil or dust, using the following adhesives: Adesilex VS 45.

Thanks to their angular structure which triples the absorbing surface, Akustik®-Stop panels afford an excellent degree of acoustic absorption, with excellent results at medium and high frequencies (500÷2000 Hz). Whenever a high sound absorption coefficient is required, Akustik®-Stop can be assembled together with barriers with a high acoustic insulation coefficient such as lead, lead rubber etc. The profile of this product, and the possibility of colouring it, allow its functionality to be optimised in interior architecture.

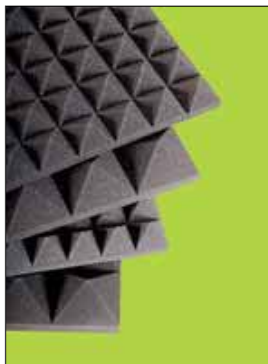
Sound absorption coefficient (α_s)



Frequency (Hz)	125	250	500	1000	2000	4000
α_s	0,22	0,55	0,96	1,13	1,15	1,43
α_s ———	0,08	0,53	0,90	1,03	0,97	1,03
α_s ———	0,11	0,27	0,59	1,08	1,07	1,01

- 100 mm of pyramid panel, excited by a shot fired
- 100 mm of pyramid panel, excited by a loudspeaker
- 70 mm of pyramid panel, excited by a loudspeaker

Acoustic absorption factors determined to DIN 52212 standard in a large reverberation chamber



PHYSICAL PROPERTIES

- Type of material soft polyurethane foam type NG 35
- Density 35 Kg/m³
- Thermal conductivity coefficient 0.029 Kcal/m h° C
- Reaction to fire Class 2, self-extinguishing, non drip, to UL 94 HF1 standard
- Resistance to temperature -50°C to +110°C
- Panel size 1000 x 1000 mm (or as requested)
- Surface appearance pyramid
- Thickness 35-50-70-100mm
- Basic colour neutral, anthracite