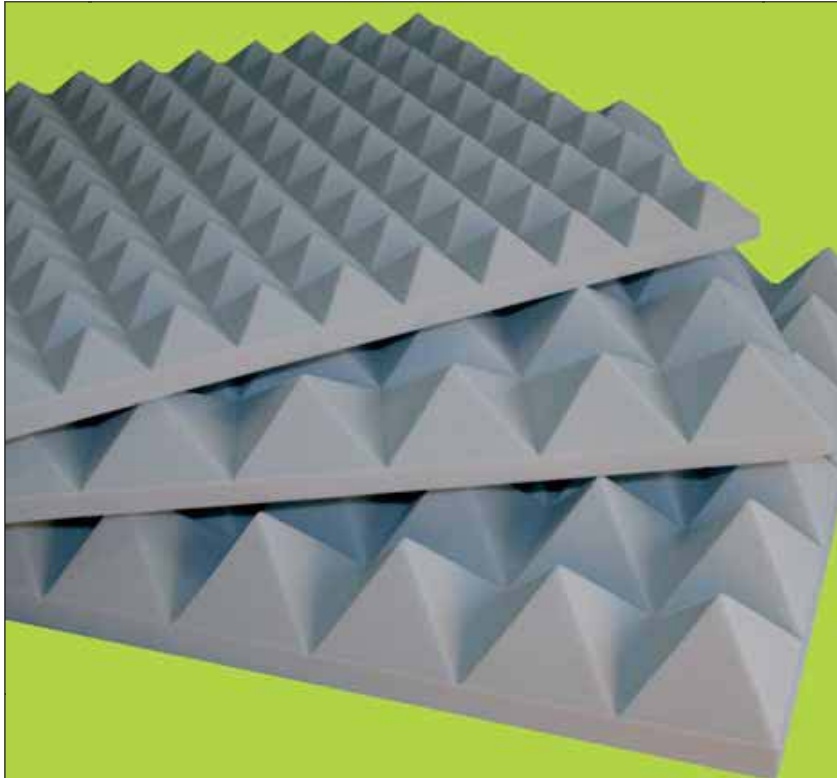


ISOTEK - STOP



BASOTECT® (BASF)
PYRAMID MELAMINE
RESIN FOAM
ACOUSTICAL PANEL

MATERIAL

Grey coloured melamine resin BASF Basotect® Foam. High thermal resistance product: -60°C +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Stop has an excellent acoustic absorption, particularly at medium-high frequencies (500-2000 Hz). Isotek-Stop may be assembled together with sound-insulating barriers such as lead, EPDM, etc. Upon request, it can be painted in all the RAL range colors.

STANDARD FORMATS

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

STANDARD SIZE

Sheet sizes
Width: 600 or 1200 mm
Length: 1200 mm
Thickness: 50 - 70 - 100 mm, etc.

Any other size may be supplied on request.
Size tolerance to M4 DIN 7715 standard, Part 2.

REACTION TO FIRE

Class 1 to CSE RF/2/75/A and CSE RF 3/77 standards.
 ÖNORM B3800:
 DIN 4102 B1
 Q1: low smoke emission.
 T1: non drip.

FIELDS OF APPLICATION

Isotek-Stop is a specifically sound-absorbing product with a special pyramidal profile which triples the absorbing surface. Its technical characteristics allow it to be used where special safety features are required, such as theatres, cinemas, auditoriums, hotels, lecture rooms, firing ranges, gymnasiums, schools, discotheques.

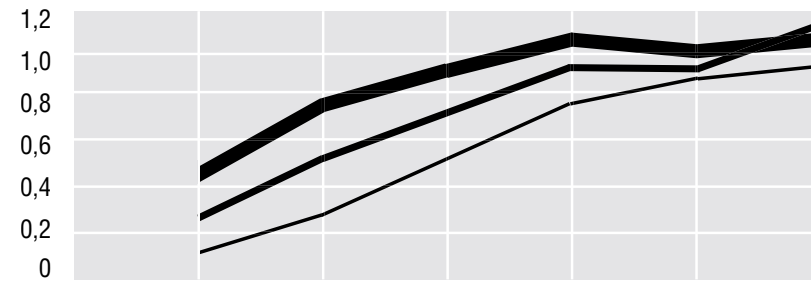
INSTALLATION

Isotek-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 Adesilex VS45 adhesive. Upon request self-adhesive side available.



Sound absorption coefficient (α_S)

Acoustic absorption factor α_s



Frequency (Hz)	125	250	500	1000	2000	4000
50/60 — α _s	0,13	0,25	0,50	0,75	0,88	0,94
70/100 — α _s	0,22	0,49	0,77	0,96	0,96	1,05
100/100 — α _s	0,40	0,77	0,92	1,01	1,01	1,04

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

PHYSICAL PROPERTIES

- Volume mass kg/m³ EN ISO 845 8-11
- Compression resistance at 10% deflection kPa DIN 53421 5-20
- Indentation N BASF method >45
- Maximum tensile stress kPa DIN 53571 > 120
- Elongation at break % DIN 53571 >10
- 40% deformation resistance and compression kPa DIN 53577 7-20
- Thermal conductivity at 10°C W/m•K DIN 52612 >0,035
- Compression set
 - 50% -23°C-72ⁿ % DIN 53572 10-30
 - 50% -70°C-22ⁿ 10-20
- Steam diffusion resistance factor (μ) - DIN 52615 -2
- Acoustic absorption S=50 mm/2000 Hz % DIN 52215 >90
- Flux specific resistance kNs/m⁴ DIN 52213 10-20
- Utilisation temperature °C - max 150°
- Cyclic continuous solicitation tolerability method OK
- Reaction to fire CSE RF 2/75A-RF3/77 Classe 1