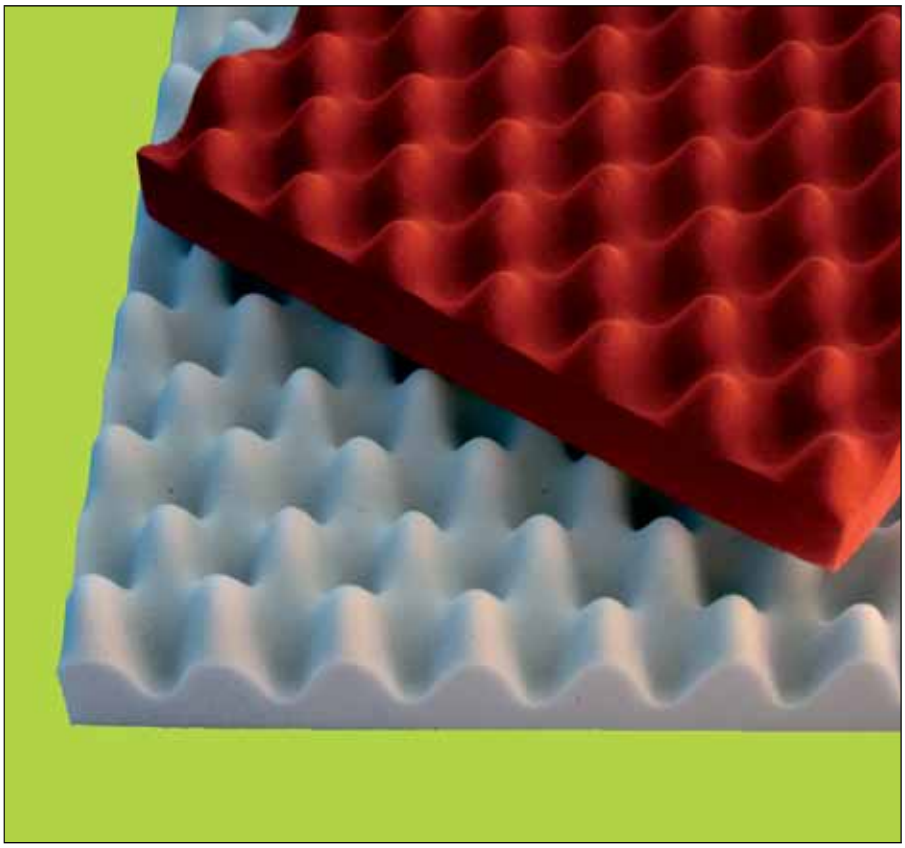
ISOTEK - FOAM



BASOTECT® BASF

PROFILED MELAMINE

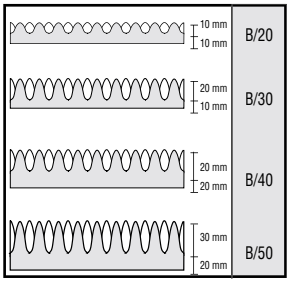
RESIN FOAM

ACOUSTICAL PANEL

MATERIAL

Grey BASF Basotect® melamine foam resin. High thermal resistance: -60°C to +150°C. Non drip in case of fire, non toxic fumes, non fiber-forming. Isotek-Foam has an excellent acoustic absorption, particularly at medium-low frequencies (500 ÷ 1000 Hz). Isotek-Foam may be assembled together with sound-insulation barriers such as lead, EPDM, etc.

STANDARD FORMATS



SIZES

Width: 1200/600 mm
Length: 600/1200 mm
Thickness:
30 - 40 - 50 mm, etc.

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

REACTION TO FIRE

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

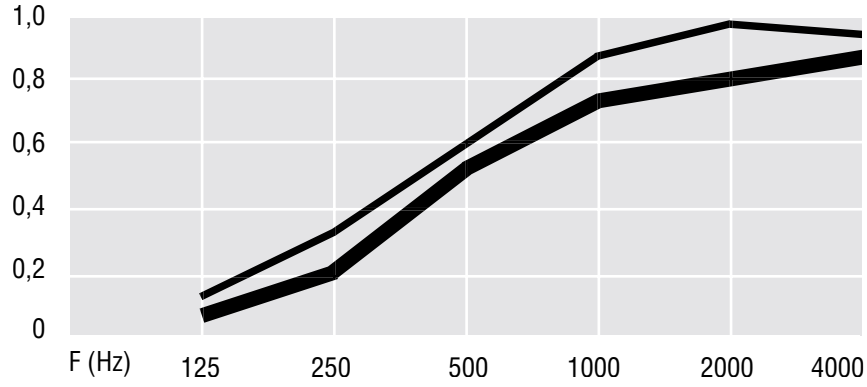
FIELDS OF APPLICATION

Isotek-Foam is a specific specially profiled sound-absorbing product which has excellent absorption properties at medium-low frequencies. Its fire resistant characteristics allow it to be used where special safety features are required, such as factories, theatres, schools, cafeterias, cinemas, discotheques, firing ranges, hotels, auditoriums, multipurpose halls.

INSTALLATION

Isotek-Foam'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. The product can also be supplied with one self-adhesive side to facilitate application.

Sound absorption coefficient (αS)



Frequency (Hz)	125	250	500	1000	2000	4000
ISOTEK FOAM 30 mm	0,08	0,15	0,48	0,78	0,82	0,85
ISOTEK FOAM 50 mm	0,12	0,28	0,56	0,85	0,97	0,94

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

PHYSICAL PROPERTIES

• Volume mass	kg/m^3	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-72^h	%	DIN 53572	10-30
• 50% -70°C-22^h			10-20
• Steam diffusion resistance factor (μ)	-	DIN 52615	-2
• Acoustic absorption S=50 mm/2000 Hz	%	DIN 52215	>90
• Flux specific resistance	kNs/m^4	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