



AbFoam F

Abfoam F is a general purpose, flexible, open celled polyurethane acoustic foam offering excellent sound absorption characteristics, that is suitable for a wide range of applications given the diverse facings available.



Key Features and Benefits

- Excellent sound absorption properties
- Lightweight
- Will not dust or migrate when subjected to air flow
- Flexible and can be cut or pressed in to shapes

AbFoam

Industry & Applications

- Building & Construction
- Transport = Automotive, Rail & Military
- Plant and Machinery
- Marine acoustics
- Compressors and generators
- HVAC equipment
- Ducts and pipes
- OEM (Original Equipment Manufacturers)

Technical Information

Product	Abfoam F
Type	PU Foam
Colour	Light Grey
Density	23-27kg/m ³
Thickness	6mm – 100mm
Sheet Size	2000mm x 1200mm
Operating Temperature	-30°C to 100°C

Facings & Materials

- Pressure sensitive self-adhesive backing
- Aluminum Foil
- Vinyl facings
- Hypalon facing
- Used as part of Coustilam

Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient (BS EN ISO 354)						Absorber Classification
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
Abfoam F	12	0.06	0.08	0.16	0.27	0.46	0.78	E
	25	0.10	0.19	0.41	0.56	0.80	0.99	D
	50	0.19	0.46	0.84	0.87	0.95	1.09	C

* Absorber Classifications tested in accordance with BS EN ISO 11654:1997

Technical Advice

Highly qualified building and acoustic consultants are available to offer assistance and advice to clients, architects and contractors on all aspects of noise control to ensure design specifications and acoustic performance requirements are achieved. They can also undertake noise surveys and provide details of anticipated reverberation times pre and post installation.

Fire Performance

Furniture and Furnishings (Fire)(Safety)

Regulations SI 1324: 1988, amended 1989
1993, 2010

UL94 Classification

Crib V
94 HF-1

*Certification of Euroclass and the Building Regulations relate to tested thicknesses 6mm to 50mm

Further Testing

ASTM C1071-05 127 Air Erosion Resistance

Pass

ASTM D-2020-92 Mildew(Fungus) Resistance

Does not support growth

ASTM G21-96

Does not support growth

Building Regulations A13(b)*

Class 0

ASTM E84-95 Surface Burning Behavior

ASTM E84-95

ASTM C411-04 Hot Surface Performance @ 100°C 96hr

Pass

ASTM E84-95 Surface Burning Behavior

Class A

UL94 Classification

94 V-0

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