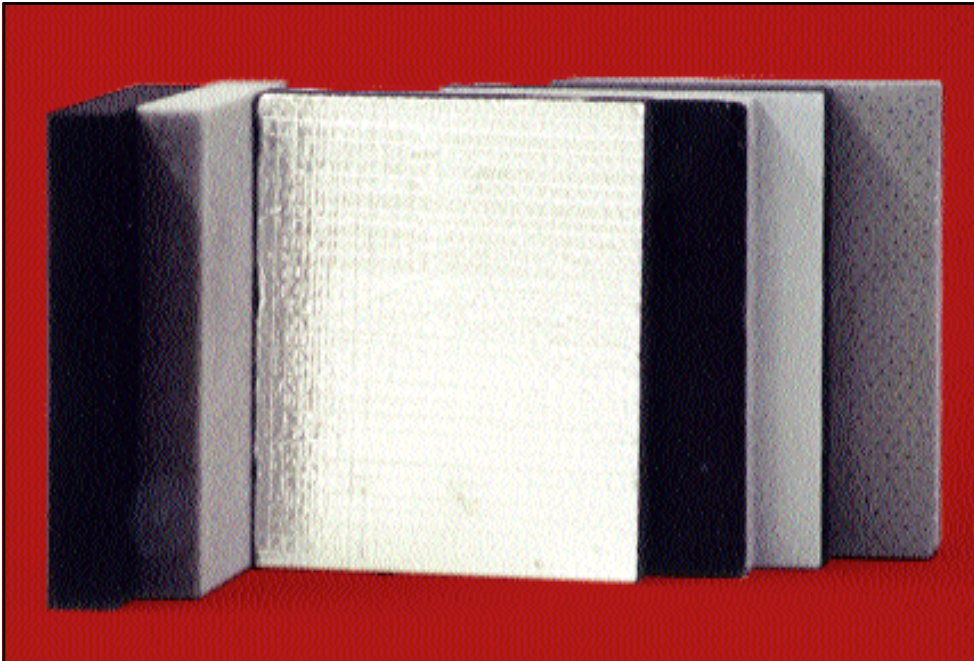


# AbFoam

## Description

**AbFoam** comprises a range of open cell polyurethane foams, with a wide selection of surface finishes to meet various performance requirements, as detailed overleaf.

Data Sheet  
2008 Issue 04



They are designed to absorb noise over a wide range of frequencies.

**AbFoam F** is available in sheets. **AbFoam NF** is available in sheets or rolls. Both can also be die-cut to size and shape.

**AbFoam** can be supplied with a pressure sensitive self-adhesive backing if required.

<b>Colour</b>	<b>AbFoam F</b>	-	Grey
	<b>AbFoam NF</b>	-	Black

## Product Range and Application

**AbFoam F** Is a general purpose, acoustic foam used extensively in the motor industry for vehicle interiors, hood and canopy linings, enclosures, plant, mechanical services equipment, compressors, generators, fans and motors.

**AbFoam NF** Is impregnated with fire retarding chemicals for use in applications requiring a Class 'O' fire rating. It is used extensively in air conditioning and air handling equipment, ducts, plenums and air distribution systems.

## Operating Temperature

**AbFoam F and NF** can be used at continuous operating temperatures from -10°C up to 80°C.

## Fire Performance

**AbFoam F** meets the requirements of FMVSS 302/ISO3795

**AbFoam NF** complies with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1989 and Part 7: 1987.

Crown Business Park  
Old Dalby  
Melton Mowbray  
Leicestershire  
LE14 3NQ  
Tel: 01664 821810  
Fax: 01664 821820

E-mail:  
[info@hodgsongroup.co.uk](mailto:info@hodgsongroup.co.uk)

Web Site:  
[www.acoustic.co.uk](http://www.acoustic.co.uk)

## Acoustic Performance

Product	Thickness mm	Sound Absorption Coefficient					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
AbFoam F	25	0.10	0.19	0.49	0.66	0.67	0.84
	50	0.15	0.33	0.76	0.85	0.81	1.02
AbFoam NF	12	0.06	0.09	0.18	0.29	0.38	0.58
	25	0.09	0.22	0.38	0.52	0.63	0.73
	50	0.24	0.47	0.75	0.84	0.87	1.02

**Note:** Acoustic performance data for **AbFoam F** and **NF** faced with the materials detailed below is available on request.

## Dimensions and Density

Product	Density Kg/m <sup>3</sup>	Thickness mm	Sheet Size mm
AbFoam F	20-23	6 to 100	1200 x 2000
AbFoam NF	75	6, 10, 12, 15, 20, 25, 50	1200 x 2000

**Note:** Other thicknesses and sheet sizes are available subject to minimum order quantity. Further details available on request.

## Availability

**AbFoam** is available plain or with a wide range of facings. These include:

Type of Facing	Main Benefit of Facing	Colour	Ordering Reference
Bright Class 'O' Foil	Class 'O' fire rating	Silver	BCO
Vinyl Impregnated Glass Cloth	Class 1 fire rating	Grey	VK
Polyurethane Film	Durable and impervious	Black	C
Aluminised Polyester Film	Reflective and impervious	Silver	A
Perforated Vinyl	Decorative and durable	Black	V
Unperforated Vinyl	Decorative and durable	Black or Grey	VUP
PVC Spray Coating	Edges can be sprayed	Matt Black	SB
Tedlar® Film	Hygienic and durable	White	TW
Polychloroprene Glass Cloth	Class 'O' Fire Rating	Beige or Green	CG
Self-adhesive Backing	Self Adhesive	n/a	SA

## How to Order

When ordering, quote **AbFoam** and suffix the type, thickness, surface finish, colour and adhesive backing as shown in the example below:

e.g. AbFoam, F grade, 25mm thick, Polyurethane film with self-adhesive backing  
= AbFoam F 25 C Black/SA

### For Further Information contact Hodgson & Hodgson Group Ltd

Crown Business Park  
Old Dalby  
Melton Mowbray  
Leicestershire  
LE14 3NQ  
Tel: 01664 821810  
Fax: 01664 821820

E-mail:  
info@hodgsongroup.co.uk

Web Site:  
www.acoustic.co.uk