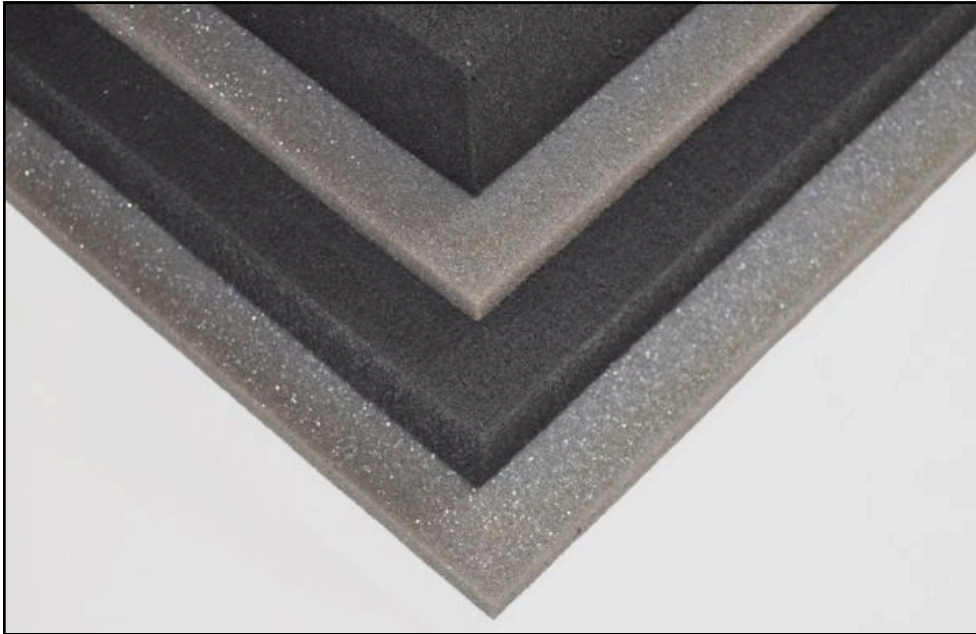


AbFoam

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
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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.

| | | | |
|---------------|------------------|---|-------|
| Colour | AbFoam F | - | Grey |
| | AbFoam NF | - | 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 -20°C up to 120°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.

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 ³ | 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
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