



A flexible and fire resistive open cell acoustic foam, offering excellent durability and sound absorption qualities, that can be used in a wide variety of applications.

## Application

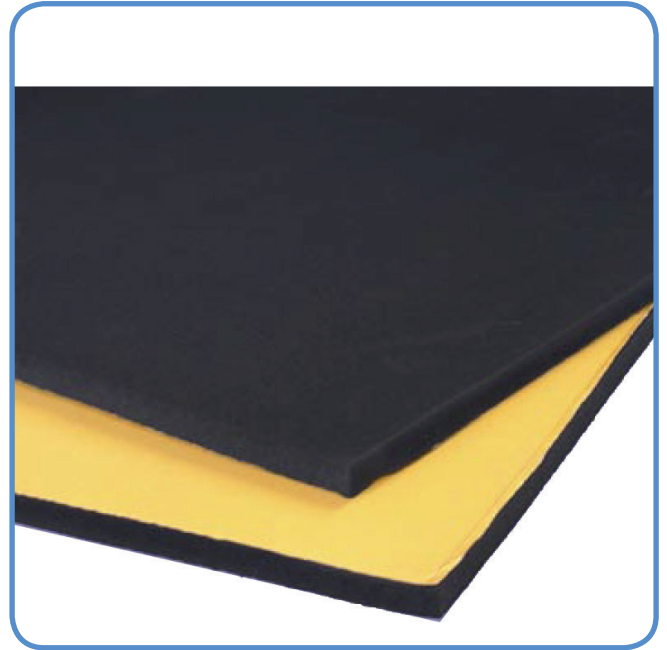
Hush Class O Foam is a flexible open cell material offering durability and excellent sound absorbing qualities.

The product is used in many varied applications and industries including construction, marine, automotive, HVAC and OEM. Some applications use the product as a component sound absorbing or resilient spacing layer within a bespoke composite material.

Common applications include: internal lining of ductwork and ventilation equipment; spatial absorbers; ceiling tiles; absorber panel infills; absorption linings in marine craft, automotive vehicles, generators, compressors, process plant and electrical equipment.

## Benefits

- Class 'o' fire rated
- Good low frequency acoustic absorption
- Good damping characteristics
- Can be supplied as a composite solution





## Product Description

Hush Class O Foam is chemically inert, non-dusting and due to its flexibility is easily applied to curved surfaces or deformed to fit complex shapes. The product has the additional benefit of being exceptionally fire resistive, meeting the requirements of Class 'O' to Building Regulations.

The foam is available with a self-adhesive backing film to simplify installation. Optionally, the product can be supplied with an extensive range of facing materials or spray applied surface coatings.

The material is commonly supplied in composite form in combination with lead foils, polymeric barriers and damping sheets.

An in-house cutting service is available for supply to final sizes/shapes using a variety of processing techniques including die-cutting and CNC cutting.

A full 'kitting' and packing service is available for OEM supply.

## Installation

The material is normally adhered to the background surface using a separate adhesive or by means of the optional self-adhesive backing (contact our technical team for a specification sheet on self-adhesive films for properties and limitations).

Additionally the product can be mechanically fixed (using large headed fixings or spreader washers). Our insulation support pins and non-return washers represent a suitable fixing.

Please contact our Conversion technical team.

## Acoustic Performance

Thickness (mm)	Sound Absorption Coefficients					
	100Hz	250Hz	500Hz	1kHz	2kHz	4kHz
10	0.05	0.15	0.20	0.35	0.40	0.45
25	0.10	0.25	0.45	0.60	0.65	0.75
50	0.25	0.45	0.70	0.85	0.85	1.00





### Technical Specification

Form supplied (mm)	Standard sheet size: 2000 x 1200, 2000 x 1000 Other forms: Rolls and Die-cut parts
Standard thickness (mm)	6, 10, 12, 15, 20, 25, 35, 40, 45, 50, 75, 100
Colour	Black Impregnated flexible PU
Service temperature range	-30 to 100°C
Density	80-90kg/m <sup>3</sup>
Thermal conductivity	0.052w/mK
Fire resistance	BS 476, Part 7: Class 1 BS 476, Part 6: I<12, I(1) <6

### Additional Options

The following options are available:

- A range of protective/decorative facings.
- Can be supplied with high performance acrylic pressure sensitive adhesive (PSA) backing

### Additional Information

The following information is available upon request or via download from our website:

- 1/3 octave absorption coefficients available on request
- Safety Data Sheet

### Environmental

Hush Class O Foam is environmentally friendly.

- It contains no Volatile Organic Compounds (VOCs) and no very Volatile Organic Compounds (vVOCs)
- Zero Ozone Depleting Potential
- Global Warming Potential of less than 5
- Recyclable

### Technical Support

For further information please contact our Conversion technical team at the address below.

