

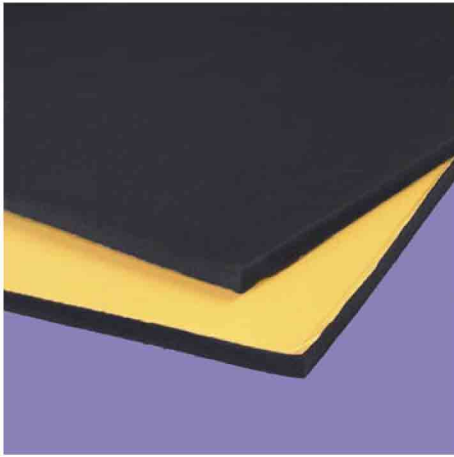
Used in part numbers

801434 - 801437 - 801484 - 801487 - 801534 - 801537
801634 - 801684 - 801834 - 801837 - 801884 - 801887

Lamapro 'V' Series Acoustic Foam

DATA SHEET

Lamapro 'V' Series Acoustic Foam



Lamapro 'V' Series acoustic foam is a flexible open cell material offering durability and excellent sound absorbing qualities.

The material 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.

Supplied as standard with either 'O' foil reinforced silver foil facing or white neoprene faced glass facings both are impervious to fluids and therefore meet the requirements of the Boat Safety Scheme. Sheet size is pre-cut to 600 x 1000mm.

Applications

The product is used in many varied applications and industries including construction, marine, automotive, H & V 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 & ventilation equipment; spatial absorbers; ceiling tiles; absorber panel infills; absorption linings in marine craft, automotive vehicles, generators, compressors, process plant and electrical equipment.

Installation

The material is normally adhered to the background surface using a separate adhesive or by means of the optional self-adhesive backing (see specification sheet on self-adhesive films for properties and limitations). Additionally the product can be mechanically fixed (using large headed fixings or spreader washers 801022). Our insulation support pins and non-return washers represent a suitable fixing.

Please contact our technical section for advice on suitable adhesives and mechanical fixings.

Specification

Product	Lamapro 'V' Series Acoustic Foam
Type	Impregnated flexible PU
Colour	Black
Density	80-90 kg/m ³
Fire Performance	BS 476, Part 7: Class 1 BS 476, Part 6: I<12, I(1) <6 (Class 'O' to Building Regulations)
Thermal Conductivity	0.052 W/m.k
Service Temperature Range	-30 to 100°C
Standard Sheet Size	1000 x 2000, 1200 x 2000mm
Standard Thickness	6, 10, 12, 15, 20, 25, 35, 40, 45, 50, 75 & 100mm (Additional thickness available on request)
Other Forms	Rolls & die-cut parts

Detailed mechanical performance information available on request.

Acoustic Performance (Foam Only)

Product Thickness	Sound Absorption Coefficients*					
	100 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz
12mm	0.05	0.15	0.20	0.35	0.40	0.45
25mm	0.10	0.25	0.45	0.60	0.65	0.75
50mm	0.25	0.45	0.70	0.85	0.85	1.00

Practical Absorption Coefficients to EN ISO 11654:1997. Third octave data available on request.