

# Barrier Mats

## Description

Barrier Mats are manufactured from a durable, flexible polymeric material.

They are designed to add mass to building elements, equipment or automotive components, acting as acoustic barriers to reduce noise transmission.

Barrier Mats are available in rolls or sheets and can be die-cut to size and shape.

**Colour** - See overleaf

## Design and Application

**U5** Is a highly flexible, polymeric barrier mat.

It is used extensively in the building services industry to add mass and reduce noise break out from pipes, ducts and other equipment, and by automotive manufacturers to improve the sound insulation of vehicle floors and bulkheads.



**T5** Is a highly flexible, polymeric barrier mat with a Class 'O' foil facing on one side.

It is used extensively in the building services industry to add mass and reduce noise break out from pipes, ducts and other equipment, and by automotive manufacturers to improve the sound insulation of vehicle floors and bulkheads.



**BM 5N and 10N** Are highly flexible, polymeric barrier mats incorporating additional mineral fillers to increase the product's mechanical strength and durability.

They are used extensively in the building industry to improve the sound insulation of existing partition walls. They are particularly effective at reducing Coincidence Dip on lightweight composites e.g. plasterboard.



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## Operating Temperature

Barrier Mats can be used at continuous operating temperatures up to 65°C.

## Fire Performance

T5 Complies with the Class 'O' requirements of the Building Regulations, when tested to BS476: Part 6: 1981 and Part 7: 1987

U5, BM 5N and BM 10N meet the requirements of FMVSS 302/ISO3795.

## Acoustic Performance

Product	Sound Transmission Loss dB (ISO R140)					
	100 Hz	200 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
U5	12	12	21	27	30	34
T5	12	12	21	27	30	34
BM 5N	12	12	21	27	30	34
BM 10N	20	20	28	32	36	40

## Dimensions and Density

Product	Thickness mm	Density kg/m <sup>2</sup>	Colour	Roll/Sheet Size
U5	2	5	Buff	1200 x 2000 sheet
T5	2	5	Buff with Silver face	1200 x 2000 sheet
BM 5N	2.5	5	Black	1000 x 10m roll
BM 10N	4.5	10	Black	1200 x 2000 sheet

## Application and Fixing

When fixing Barrier Mats to mechanical services they should be wrapped around pipes and ductwork incorporating a minimum 50mm overlap on all joints. They should be supported with non-metallic banding and/or an outer layer of wire mesh or similar.

When applying to other substrates such as timber, steel or aluminium, Barrier Mats should be fixed into position using 1099 contact adhesive available from Hodgson & Hodgson Group Ltd. Where more than one mat is required, tightly butt joints together.

### For Further Information

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