HIGH-MASS FLEXIBLE ACOUSTIC MEMBRANE

FlexBarrier

Acoustic Membrane



Acoustica FlexBarrier is a high-mass, flexible acoustic membrane for walls, floors and ceilings. It improves airborne and impact sound insulation across all frequencies with a simple bond-on installation.

Made in the UK from EPR and thermoplastic polymers. Bitumen-free, lead-free and free from unrefined aromatic oils.

20–31 dB	2.5–10 kg/m²	1.3–5.3 mm	60 Shore A
SOUND REDUCTION, RW	NOMINAL WEIGHTS	THICKNESS RANGE	DUROMETER HARDNESS

PRODUCT INFORMATION

TEST	RESULT	TEST METHOD
Reaction to fire	Pass	FMVSS 302
Strain at break	100%	ISO 37:2011(E)
Stress at peak	0.5 MPa	ISO 37:2011(E)
Durometer hardness (Shore A)	60	Internal
Static operating temperature	−20 °C to +93 °C	Internal
Colour	Yellow / tan	Visual

KEY BENEFITS

- Dense, flexible acoustic barrier mat
- Bonds in intimate contact with existing substrates for maximum performance
- Soft, pliable and conforms to irregular surfaces
- Available with factory-applied self-adhesive backing
- Improves airborne and impact sound insulation across all frequencies
- Suits metal, timber, plastic, plasterboard and composite panels
- Particularly effective for pipes and service penetrations
- Bitumen-free and lead-free · made in the UK

ACOUSTIC DATA

PRODUCT	NOMINAL WEIGHT	THICKNESS (±10%)	SOUND REDUCTION (R_W)
FlexBarrier 2.5 kg	2.5 kg/m^2	1.31 mm	20 dB
FlexBarrier 4 kg	4.0 kg/m^2	2.10 mm	24 dB
FlexBarrier 5 kg	5.0 kg/m^2	2.63 mm	26 dB
FlexBarrier 6 kg	6.0 kg/m^2	3.15 mm	27 dB
FlexBarrier 7 kg	7.0 kg/m^2	3.68 mm	27.5 dB
FlexBarrier 7.5 kg	7.5 kg/m^2	3.94 mm	28 dB
FlexBarrier 10 kg	10.0 kg/m^2	5.26 mm	31 dB

APPLICATIONS

- Steel partition walls
- Timber partition walls
- Ceilings
- Flooring
- Plasterboard linings
- Pipework, ducting and enclosures

INSTALLATION

Bond FlexBarrier in intimate contact with the substrate for maximum performance. It conforms closely to irregular surfaces, pipework and service penetrations.

For faster fixing, specify the version with factory-applied self-adhesive backing.

NEED TECHNICAL ADVICE?

Our technical team can help with specification, installation and product queries.

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SCAN TO VISIT

Disclaimer

The information in this document is based on the manufacturer's technical knowledge at the time of publication. Installation conditions, substrates, adhesives and finishes may vary. Installers must ensure all products are suitable and compatible for the intended application and follow the relevant manufacturer's instructions. Contact Acoustica for technical guidance where required.