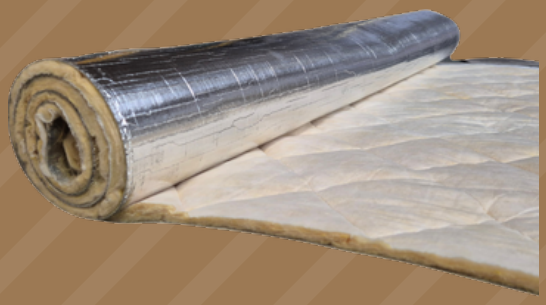
QUILTED ACOUSTIC LAGGING

Acoustica
Quilted



Acoustica Quilted is a high-performance acoustic lagging that improves the sound insulation of pipes, ductwork and mechanical services. It combines a dense acoustic barrier with 25 mm quilted glass fibre, reducing airborne noise while adding sound absorption and thermal insulation.

Flexible and conformable, it wraps closely around pipework, ducts and irregular surfaces for HVAC, drainage, mechanical and industrial use.

38 dB	25 mm	5 / 10 kg/m²	2 × 1.2 m
SYSTEM RW, 10 KG ON STEEL	QUILTED GLASS FIBRE	BARRIER WEIGHTS	ROLL SIZE

PRODUCT INFORMATION

PROPERTY	VALUE	TOLERANCE	TEST STANDARD
Apparent density	200 kg/m³	±10%	DIN EN 1602
Reaction to fire	Class 0	–	BS 476 Parts 6 & 7
Nominal thickness	25 mm / 50 mm (uncompressed)	+10 / –20%	–
Strain at break (barrier)	25%	Minimum	ISO 37:2011 (E)
Stress at peak (barrier)	1 MPa	Minimum	ISO 37:2011 (E)
Hardness (Shore A)	75	Typical	Internal test
Operating temperature	–20 °C to +93 °C	–	Internal test
Colour	Silver / yellow (front), black (rear)	–	–

BENEFITS

- Flexible acoustic barrier
- Class 0 aluminium foil facing
- Quilted glass fibre insulation
- Dense yet highly flexible
- Lead and bitumen free
- Contains recycled PVC
- Fire performance: EN 13501-1 B-s1,d0

SUITABLE APPLICATIONS

- HVAC ductwork
- Air handling units
- Plant rooms
- Generators and chillers
- Metal panels
- Marine and offshore
- Oil and gas applications

ACOUSTIC & THERMAL PERFORMANCE

SOUND REDUCTION BY FREQUENCY (DB)

FREQUENCY (HZ)	STEEL 18 SWG (9.9 KG/M²)	+ 5 KG BARRIER & 25 MM QUILT	+ 10 KG BARRIER & 25 MM QUILT
63	14.3	16.6	17.8
125	17.3	16.7	17.6
250	22.0	20.5	22.1
500	26.7	38.6	43.6
1000	32.0	52.8	54.3
2000	37.2	57.9	58.3
4000	41.5	63.0	62.8

Glass quilt density 25 kg/m^3.

SYSTEM RW

SYSTEM	RW
Steel 18 swg	32 dB
Steel + 5 kg Quilted	36 dB
Steel + 10 kg Quilted	38 dB

THERMAL CONDUCTIVITY

TEMPERATURE	W/MK
0 °C	0.033
10 °C	0.034
50 °C	0.042
100 °C	0.053
150 °C	0.065
200 °C	0.079

NEED TECHNICAL ADVICE?

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

07818 542495

www.acousticasoundproofing.co.uk

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 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.