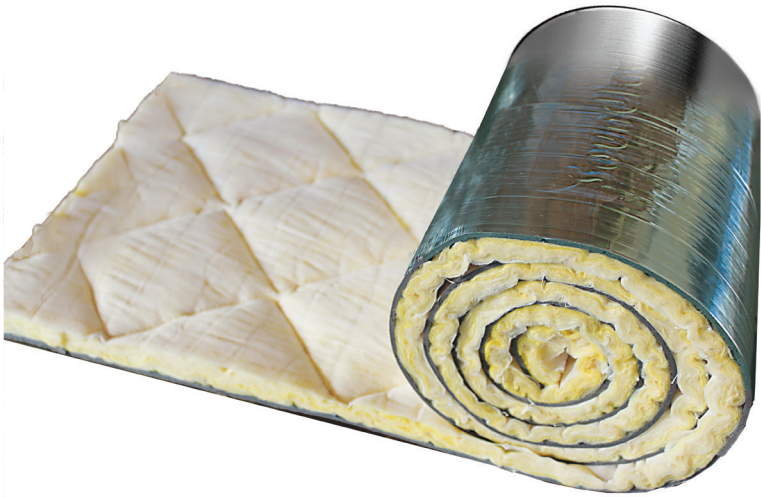
SOUNDLAG 3025QGW

acoustic pipe lagging with glass wool backing



Soundlag 3025QGW is a high-performance composite acoustic lagging product consisting of an aluminium foil-faced, mass-loaded, flexible vinyl noise barrier laminated to a glass wool decoupling layer. The product was developed to reduce noise break-out from pipes, valves, fan housings and ductwork in commercial, industrial and domestic buildings.

The unique construction of Soundlag 3025QGW combines the superior transmission loss performance of the noise barrier, Quadzero, with the high absorption properties of the decoupling glass wool layer.

The decoupling layer breaks the vibrational path between the mass barrier and the substrate to which it is bonded. This allows the vinyl external wrap to remain flexible at all times, thereby optimising its performance. The tough external aluminium foil facing provides effective mechanical protection from dirt, oil and dust and offers a fire resistant covering.

The decoupling layer is a 25 mm thick lightweight, non-combustible, glass wool with a quilted fabric covering to prevent it from shedding fibres, resulting in easier handling.

Soundlag products are easily cut to size with a retractable knife or scissors, and is installed in 3 easy steps: cut, wrap and tape; making it the most cost effective acoustic lagging product on the market.

VOC STATEMENT

Soundlag products contain no ozone-depleting substances and comply with European and Australian standards for Volatile Organic Compound emissions.

SPECIFICATIONS

Colour	Silver (Foil Facing), Yellow (Glass-Wool)
Available	Roll Size: 1220 x 5000 mm
	Or custom depending on MOQ

applications

- Hydraulic and waste pipes in all locations - Working with acoustic consultants and test facilities, Pyrotek has designed and tested systems that achieve a high level of noise reduction for all plumbing and hydraulic situations
- Air-conditioning ducting and shrouds
- Compressor wraps, spa motor wraps
- Factory custom cut sizes available or can be cut to size easily with a knife on site

features

- Heat and light reflective facing
- Class 0 foil facing
- Fire retardant barrier layer
- This product is classed as low VOC emitting material
- Free from odour-producing oils and bitumen
- Reduces the noise in hydraulic and waste pipes by up to 20.5 dB(A)
- Broad operating temperature range
- Tested to international standards for fire properties
- Low spread of flame surface
- Easiest and quickest product in the market to install, therefore the most cost effective
- Made in Australia - accredited to ISO 9001 Quality Control Standard
- Endorsed and tested by leading acoustic consultants and engineers combined with independent lab and field testing
- Easy to bond onto other substrates using matching Tape ALR adhesive or equivalent

PRODUCT SPECIFICATIONS

Product name	Standard thickness	Glass wool density	Roll size	Roll weight	Barrier weight	Operating temperature range
Soundlag 3025QGW	25 mm (0.98 in)	32 kg/m^3 (2 lb/ft^3)	1.22 x 5 m (4.0 ft x 16.4 ft)	24 kg (53 lb)	3 kg/m^2 (0.6 lb/ft2)	Continuous: -40 to 100 °C (-40 to 212 °F) Intermittent: -40 to 120 °C (-40 to 248 °F)

Tolerances: Length: ±1%, Width: -0/+5 mm, Thickness: ± 3 mm, Weight: ±10%

PRODUCT CODE NOMENCLATURE

SOUNDLAG 3025 QGW

Grade

Infill type

Grade - 3025

Infill type - QGW (quilted glass wool)

MATERIAL PROPERTIES

Test method	Property	Report No.	Results
BS 476 Part 6	Fire propagation	381636	Class 0 foil facing
BS 476 Part 7	Surface spread of flame	381638	
ASTM D5116	TVOC specific area emission rate	CV 100812	Emissions are less than the Green Star recognised threshold of 0.5 mg/m^2/hr
AS 5637.1 (AS 3837 / ISO 5660-1)	Fire hazard properties	PR2/5/6/7	Group 3*
UL94	Flammability of plastic materials	17592PC	HBF*

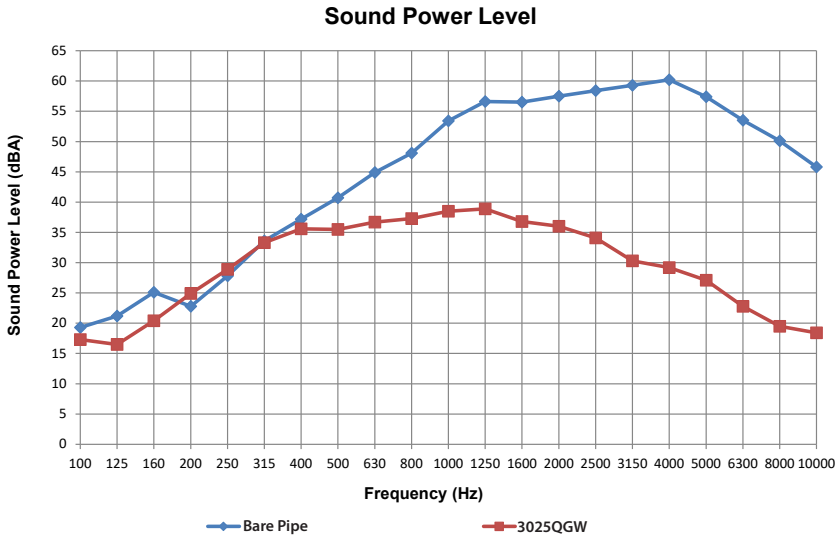
**Barrier layer*

ACOUSTIC PERFORMANCE

Product	Weighted	Insertion Loss
Soundlag 3025QGW	Linear	17.5 dB
	A Weighted	20.5 dB

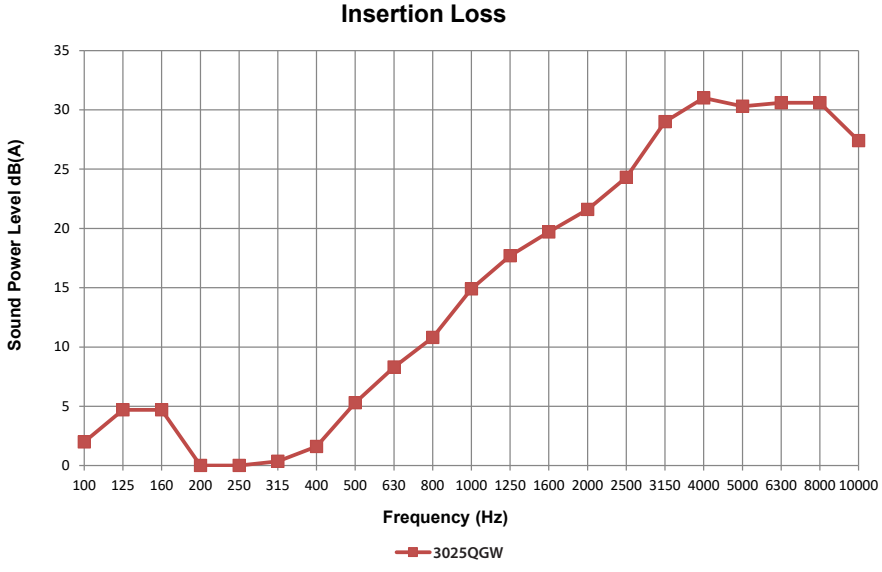
Sound Power Level		
Frequency (Hz)	Bare Pipe (dBA)	3025QGW (dBA)
100	19.3	17.3
125	21.2	16.5
160	25.1	20.4
200	22.8	24.9
250	27.8	28.9
315	33.6	33.3
400	37.2	35.6
500	40.7	35.5
630	44.9	36.7
800	48.1	37.3
1000	53.4	38.5
1250	56.6	38.9
1600	56.5	36.8
2000	57.5	36.0
2500	58.4	34.1
3150	59.3	30.3
4000	60.2	29.2
5000	57.4	27.1
6300	53.5	22.8
8000	50.1	19.5
10000	45.8	18.4
Sum	67.2	47.0

Tested at National Acoustic Laboratories, Australia
Report Number: ATF749C



Insertion Loss	
Frequency (Hz)	3025QGW dB(A)
100	2.0
125	4.7
160	4.7
200	0.0
250	0.0
315	0.4
400	1.6
500	5.3
630	8.3
800	10.8
1000	14.9
1250	17.7
1600	19.7
2000	21.6
2500	24.3
3150	29.0
4000	31.0
5000	30.3
6300	30.6
8000	30.6
10000	27.4
Insertion Loss	20.5

Tested at National Acoustic Laboratories, Australia
Report Number: ATF749C



For further information and contact details, please visit our website pyroteknc.com