

# SOUNDLAG GW

## glass wool pipe and duct lagging

Soundlag 4525GW is Pyrotek's standard grade, flexible acoustic lagging composite glass wool product. It was developed to reduce breakout noise from wastewater pipes, hydraulic pipes, and air-conditioning ducts.

Soundlag 4525GW consists of an aluminium foil-faced mass-loaded vinyl laminated to a decoupling layer. The decoupling layer is a 25 mm thick, non-combustible glass wool with a white scrim to prevent shedding of fibres. Soundlag 4525GW was designed to meet customer fire safety specifications.

The highly dense and flexible mass layer provides excellent sound reduction properties. Soundlag 4525GW's decoupling layer breaks the vibration path between the substrate and the mass barrier, allowing it to remain flexible – optimising acoustic performance.

All Soundlag products are easy to cut to size with a retractable utility knife, or scissors. They can be fitted following three easy steps - cut, wrap and tape.

### VOC STATEMENT

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

### SPECIFICATIONS

Colour	Silver (Aluminium foil facing) Yellow (Glass wool)
Available	Standard roll size: 1.35 m x 5 m (4.4 ft x 16.4 ft)
	Custom sizes available depending on MOQ



## applications

- Wastewater pipes
- Hydraulic pipes
- Compressor and pump wraps
- Air conditioning ducts and shrouds
- Fan housings

## features

- Tested to ASTM E84 - complies to international building codes to meet fire safety requirements
- Heat and light reflective facing
- Class 0 aluminium foil facing
- Low spread of flame surface
- This product is classed as low VOC emitting material
- Free from odour-producing oils and bitumen
- Reduces breakout noise from hydraulic and waste water pipes
- Broad operating temperature range
- Varying range of weights and thicknesses
- The glass wool decoupling layer can be quilted with a fabric covering (4525QGW)
- Easy to bond using matching Tape ALR adhesive or equivalent tape
- Can be cut to size with ease using a retractable utility knife or scissors



## PRODUCT SPECIFICATIONS

Product name	Standard thickness	Roll weight	Barrier weight	Roll size	Operating temperature range
Soundlag 4525GW	27 mm (1.06 in)	39 kg (86 lb)	5 kg/m <sup>2</sup> (1 lb/ft <sup>2</sup> )	1.35 x 5 m (4.4 ft x 16.4 ft)	Continuous: -40 to 100 °C (-40 to 212 °F) Intermittent: -40 to 120 °C (-40 to 248 °F)

All grades available with quilted glass wool infill (QGW). Quilted finished products are manufactured to the corresponding specifications as those listed without the quilting (GW)

Tolerances: Length: ±1%, Width: -0/+5 mm (0.2 in), Thickness: ±3 mm (0.12 in), Weight: ±10%

## PRODUCT CODE NOMENCLATURE

**SOUNDLAG 4525 GW**

Grade - 3025, 4525, 4550, 8050

Infill type - GW (standard), QGW (quilted)



## MATERIAL PROPERTIES

Test method	Property	Report	Results
AS/NZS 1530.3	Ignitability, flame propagation, heat and smoke release	17-005837	0,0,0,2
BS 476 Part 6	Fire propagation	381636	Class 0 foil facing
BS 476 Part 7	Surface spread of flame	381638	
ASTM E84	Surface burning characteristics of building materials	103698958-SAT-001 REV2	Class A FSI = 0, SDI = 10
ASTM D5116	TVOC specific area emission rate	CV 100812	Emissions are less than the Green Star recognised threshold of 0.5 mg/m <sup>2</sup> /hr
Qatar Civil Defence approval	Product approval	PAC19005619	Complies as fire rated and retardant materials

## ACOUSTIC PERFORMANCE

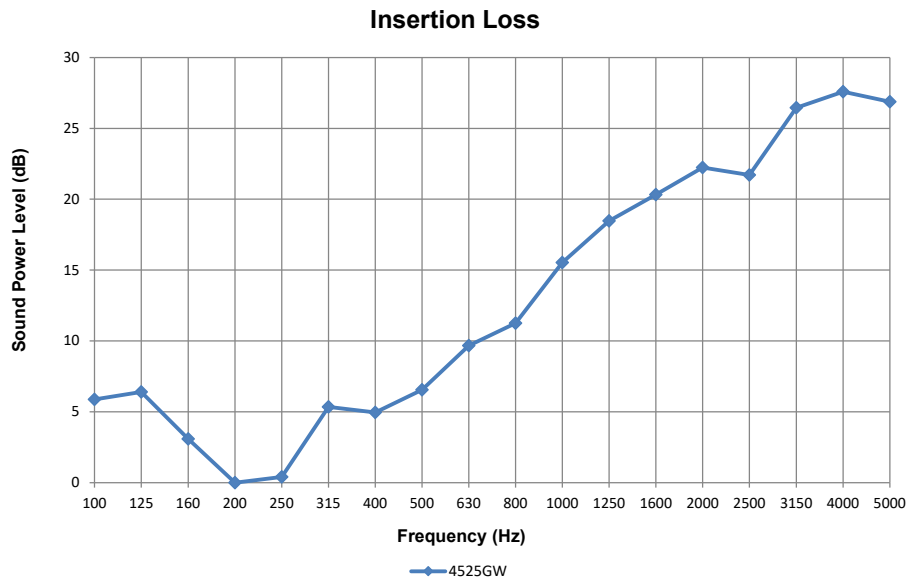
Product	Insertion loss
Soundlag 4525GW	20.5 dB

Tested at National Acoustic Laboratories, Australia | Report Number: ATF749B

Product	Test method	Result
Soundlag 4525GW	ISO 10140	Rw 28, STC 28 (barrier layer only)

Tested at University of Canterbury, New Zealand | Report number: 189(rev 1)c

Frequency (Hz)	4525GW (dB)
100	5.9
125	6.4
160	3.1
200	0.0
250	0.4
315	5.3
400	5.0
500	6.6
630	9.7
800	11.3
1000	15.5
1250	18.5
1600	20.3
2000	22.2
2500	21.7
3150	26.5
4000	27.6
5000	26.9
Insertion Loss	20.5



Tested at National Acoustic Laboratories, Australia | Report Number: ATF749B

For further information and contact details, please visit our website [pyroteknc.com](http://pyroteknc.com)

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. **DISCLAIMER:** This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See [pyroteknc.com/disclaimer](http://pyroteknc.com/disclaimer).

