

Soundlag™ - Acoustic Pipe & Duct Lagging

1.1 PHYSICAL PROPERTIES

Soundlag 4525C is constructed as below:

Reinforced aluminium foil faced flexible mass loaded vinyl (nominal weight of 5 kg/m²) with a decoupling layer of 25 mm convoluted foam.

1.2 ACOUSTIC PERFORMANCE REQUIREMENTS - INSERTION LOSS

Soundlag 4525C meets or exceeds the following performance requirements:

*Insertion Loss: The lagging shall provide minimum **A Weighted insertion loss of 25 dB(A)** and when tested to AS 1055 achieve a minimum insertion loss of L_{AFmax} 26 dB.*

Acoustic testing to ISO 10140: The flexible mass layer shall be equal to or exceed **R_w 28** when designed into a suitable system. Please refer to Acoustic consultant design criteria to meet BCA requirement.

1.3 NO SUBSTITUTIONS

No substitutions will be considered without submission of insertion loss reports equally or exceeding 25 db(A) and VOC testing provided by independent test facilities.

1.4 FIRE

Soundlag 4525C meets or exceeds the following requirements: The lagging shall form part of a safe building and conform to fire class standards AS1530.3.1999 with 0,0,0,1 performance. It will also comply to Group 3 under ISO 5660-1 heat release, smoke propagation rate. Foil facing shall meet requirements of BS 476 part 6 & 7 Class 0.

1.5 ENVIRONMENTAL & AIR QUALITY

Soundlag 4525C achieves low VOC of .08 mg/m²/hr.

Lagging shall have less than 0.5 mg/m²/hr TVOC (Total Volatile Organic Compound) emissions, when tested to ASTM D5116. Lower emission rated products shall be given preference so as not to contribute to TVOC of "Indoor air quality FV4.1

1.6 INSTALL

Soundlag 4525C with correct installation will give a 10-year performance:

Install should be completed by an experienced lagging professional.

Manufacturer's recommendations on installation procedures must be followed.

Available: <https://www.pyroteknc.com/documents/installation-guides/>

1.7 COMPLIANCE QUALITY ASSURANCE

Soundlag 4525C is certified to comply with ISO 9001 quality standard (10-year performance): The material shall be manufactured at ISO 9001 accredited manufacture site, with adequate quality management system to ensure the fulfilment of all complying items above.