

Pipe acoustic lagging

Acoustic insulation for waste pipes

Product Description and Typical Applications

Fletcher Insulation's Pipe Acoustic Lagging is recommended for reducing noise generated by rainwater, soil or waste pipes. Pipe Acoustic lagging is typically used to wrap PVC or metal pipes in residential or multi-residential buildings, as well as in commercial buildings such as Cinemas, Auditoriums and Concert Halls. Pipe Acoustic Lagging is a combination of a loaded polymer barrier adhered to convoluted acoustic foam with an outer layer of Fletcher Insulation's Vapastop Aluminium Foil Tri-laminate.

Pipe Acoustic Lagging addresses the Building Code of Australia (Part F5) requirements that the sound insulation performance of floors and walls in Class 2 and 3 multi-residential buildings shall not to be adversely affected by pipe or service penetrations.

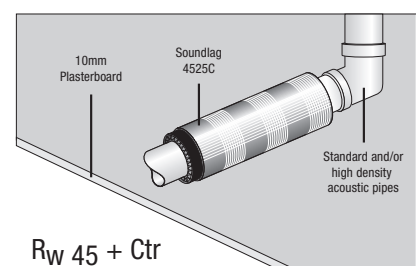
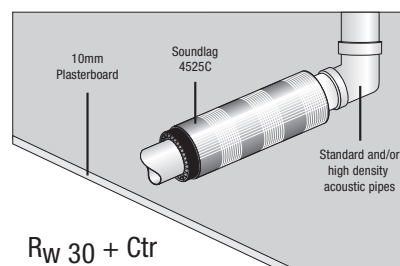
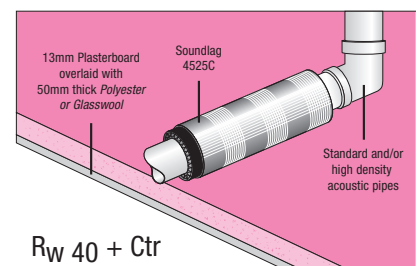
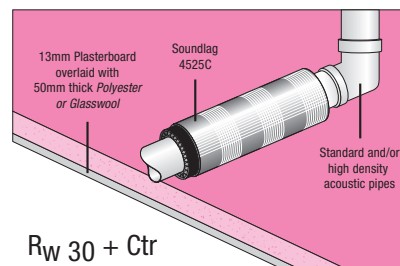
The BCA recognises the common problem of noise intrusion from waste pipes and specifies minimum standards of noise separation between such pipes and habitable room spaces (bedrooms, lounges, dining and family rooms) and non habitable rooms (bathrooms, kitchens, and laundries).

In these cases Pipe Acoustic Lagging must be applied to pipes adjacent to ceiling penetrations such as air conditioning ducts, vents, downlights and exhaust fans. Pipe Acoustic Lagging correctly installed within a 'deemed to satisfy' construction, meet these requirements.

Physical Characteristics

Product/density (kg/m ²)	Thickness (mm)	Roll Size (mm)	m ² per Roll
5	25	5m x 1350mm	6.75

Sound transmission loss



Green Star Compliant

Fletcher Insulation is committed to providing environmentally sustainable products. Fletcher Insulation products have Zero Ozone Depleting Potential in both manufacture and composition, complying with the GreenStar Insulant ODP Emissions credit requirement. Air quality is maintained with total Volatile Organic Compound (VOC) emissions below quantifiable levels.



AS1530.3 early fire hazard properties of materials

Pipe Acoustic lagging exhibits the following characteristics when tested in accordance with AS 1530.3

Ignitability Index	0
Spread of Flame Index	0
Heat Evolved Index	0
Smoke Developed Index	0-1

Maximum service temperature

The maximum service temperature of Pipe Acoustic Lagging is 120 C.

Installation

Pipe Acoustic Lagging can be cut from rolls to fit the required PVC waste pipe diameter. All butt joints must be taped. Fletcher Insulation Vapastop tape is recommended for this application. Vapastop Tape must be a minimum of 48mm in width and preferably 72mm wide. As well as taping all longitudinal and circumferential joints, it is recommended that a band of tape be applied midway along each section to overcome sagging and to ensure Pipe Acoustic Lagging is held in close contact with the pipe. Pipe Acoustic Lagging is easily cut with a sharp knife.

Specification notes

When specifying state the following:

- Product name - Fletcher Insulation Pipe Acoustic Lagging
- Density - 5kg/m²
- State elements to be insulated: eg: Acoustically insulate all sewer and rainwater pipes installed behind walls and ceiling linings.



The production of environmentally sustainable FBS-1 Glasswool Bio-Soluble Insulation utilizes approximately 70% recycled waste glass.



Fletcher Insulation glasswool products are manufactured from FBS-1 Bio-Soluble Glass Wool™. FBS-1 Bio-Soluble Glass Wool™ is not classified as hazardous according to the criteria of the Australian Safety and Compensation Council (formerly NOHSC), Approved Criteria for Classifying Hazardous Substances (NOHSC: 1008) 3rd Edition. Fletcher Insulation glasswool is classified as safe to use, refer to our MSDS.



Fletcher[™]
Insulation

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NOTE: Fletcher Insulation Pty. Ltd. reserves the right to change product specifications without prior notification. Information in this Publication and otherwise supplied to users as to the subject product is based on our general experience and is given in good faith, but Because of the many particular factors which are outside our knowledge and control and affect the use of products, no warranty is given Or is to be implied with respect to either such information or the product itself, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application.

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