

Soundlag 4525C

Foam based acoustic pipe lagging

Description

Soundlag 4525C is a high-performance sound sheathing material consisting of a mass loaded flexible vinyl bonded to foil facing, with a decoupling layer. It is designed to reduce noise break-out from pipes, valves, fan housings and ductwork in commercial, industrial and domestic buildings.

Application

The unique construction of Soundlag 4525C means it acts as both a noise barrier as well as a noise absorber, thereby providing dual benefits. Its highly dense and flexible mass layer provides excellent sound reduction properties, whilst its decoupling layer breaks the vibration path between the substrate and the mass barrier, thus allowing the vinyl external wrap to remain flexible to optimise performance. The external foil facing offers a fire resistant covering and an excellent surface to join adjacent sheets.

Product data

Barrier weight kg/m ²	Thickness mm	Roll width mm	Roll length m	m ² per roll	Operating temperature range °C	Product code
5	25	1350	5	6.75	-40 to 100 (Continuous)	330025
					-40 to 120 (Intermittent)	

Fire hazard properties

Property	Test method/standard	Results
Early Fire Hazard Indices	AS/NZS 1530.3	0
Ignitability Index		
Spread of Flame Index		
Heat Evolved Index		
Smoke Developed Index		

Acoustic properties

Property	Report	Result
Insertion loss (single layer)	ATF750B	25 dB
Insertion loss (double layer)	nss22253b	29 dB
NCC BCA Volume 1 F5.6 Sound insulation rating of internal services: Habitable room	Lt 002 20161709	Suitable with ≥ 10mm plasterboard*
NCC BCA Volume 1 F5.6 Sound insulation rating of internal services: Non-habitable room	Lt 01 r02 2010167	Suitable without ceiling*
AAAC Rating (Association of Australasian Acoustical Consultants Apartment and Townhouse Acoustic Rating)	PKA-A186	6 Star Rating
Transmission loss (ISO 15186-1 and ISO 10140-4)	189 (rev 1)c	Rw 28, STC 28 (barrier layer only)

* Please refer to the relevant report for further information

Environmental properties

Soundlag 4525C contains no ozone-depleting substances and complies with European and Australian standards for Volatile Organic Compound (VOC) emissions.

Property	Test method/standard	Result
TVOC Specific area emission rate	ASTM D5116 (Report No. CV 100812)	< 0.5mg/m ² /hr

This product can be classed as low VOC emitting. The material emissions are less than the recognised Green Building Council of Australia's (GBCA) Green Star threshold of 0.5mg/m²/hr.

Technical specification

When specifying, state the following:

The material shall be Fletcher Insulation Soundlag 4525C with a barrier weight of 5kg/m².