Acoustic Insulation for Pipes and Ducts

Lagging HH-B/BM5N/SF and Lagging HH-B/BM7.5N/SF

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Data Sheet
2003 Issue 01

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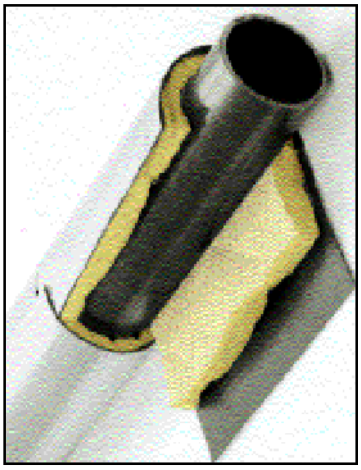
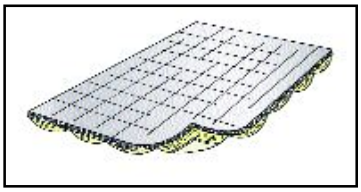
Description

A reinforced aluminium foil faced, highly flexible, polymeric barrier material bonded to a scrim faced glass fibre quilt.





Design and Application

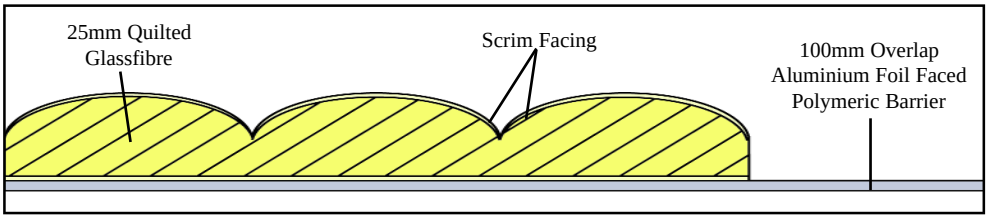
For applications where a "one shot" integral acoustic lagging material is required.

Hodgson & Hodgson Lagging HH-B/BM5N/SF and Lagging HH-B/BM7.5N/SF incorporate a 25mm thick glassfibre quilt stitched in a 100mm box design to a scrim backing to encapsulate the fibre which isolates the outer barrier from the wall of the duct or pipe, thus maximising performance.

Fire Performance

Glassfibre:
Non-combustible when tested in accordance with BS476: Part 4: 1970 (1984).

Barrier Material:
Meets the requirements of FMVSS 302/ISO 3795.



Specification

Barrier material shall be a 2.5mm thick highly flexible polymeric sheet incorporating additional mineral fillers to increase the product's mechanical strength and durability, with a reinforced aluminium foil on one side. Nominal density of 5kg/m^2 and 7.5kg/m^2.

Significant levels of sound reduction can be achieved by employing heavy barrier materials, particularly those with essentially limp characteristics. The introduction of an absorber layer to achieve a "sprung mass" will further improve the product's ability to prevent noise passing through it.

Absorber layer shall comprise of 25mm thick glassfibre quilt, scrim backing on both sides stitched in a 100mm box design.

Composite layer shall be Hodgson & Hodgson Lagging HH-B/BM5N/SF or Lagging HH-B/BM7.5N/SF and have a 100mm wide barrier overlap extending beyond the quilted glassfibre.

Acoustic Performance

Tested as a free hanging barrier

Product	Sound Transmission Loss						
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	STC
Lagging HH-B/BM5N/SF	12	16	25	34	44	49	28
Lagging HH-B/BM7.5N/SF	15.5	19	28.5	37.5	47	52	31