

ACOUSTITUFF[™]

LIGHT WEIGHT REFLECTIVE FOIL LAMINATE

INTRODUCTION

Bradford Acoustituff[™] is a tough, light weight medium vapour barrier reflective foil laminate suitable for HVAC applications where the thermal and acoustic properties of the bulk insulation are required whilst providing a continuous membrane barrier to the air stream.

CONSTRUCTION

Bradford Acoustituff[™] is constructed from a reinforced aluminium foil facing laminated with fire retardant adhesive to a natural (off-white coloured) woven polymeric fabric to provide it with a tough backing. Its woven polymeric construction provides additional puncture and tear resistance.

APPLICATIONS

Bradford Acoustituff[™] is typically combined with the thermal and acoustic properties of Glasswool insulation. The Acoustituff facing provides a sealed face to the insulation, separating it from contaminants found in some ducted air streams. Its light weight construction provides excellent low to mid frequency transparency enhancing the acoustic properties available from the bulk insulation material selected.

BENEFITS

- Highly durable and easy to handle – good thermal properties
- The polymeric fabric provides good resistance to puncture.

BULK INSULATION BASE MATERIALS

Acoustituff[™] is typically laminated to Bradford Multitel, Flexitel or Supertel Glasswool bulk insulation, but can be combined with any combination of Glasswool density and thickness to suit the required application.



Ideal for
HVAC
applications

ACOUSTITUFF™

ACOUSTIC PROPERTIES

BASE INSULATION	THICKNESS (mm)	FREQUENCY Hz							NRC
		125	250	500	1000	2000	4000	5000	
Supertel	38	0.28	0.53	1.08	0.88	0.47	0.25	0.19	0.74
Supertel	50	0.25	0.85	1.00	0.90	0.55	0.30	na	0.85
Supertel	75	0.40	1.22	1.14	0.87	0.57	0.31	0.21	0.95
Ultratel	50	0.30	0.75	0.90	0.85	0.65	0.50	0.60	0.79

Tested in accordance with AS1045:1998 or AS/ISO 354-2006 and NRC results rated in accordance with ASTM C423-90A.

PHYSICAL PROPERTIES

Duty	Table 1 AS/NZS 4200.1:1994	Medium
Vapour Barrier	ASTM E96	Medium
Water Barrier	AS/NZS 4201.4	High
Absorbency	AS/NZS 4201.6	Unclassified
Resistance to Dry De-Lamination	AS/NZS 4201.1	Pass
Resistance to Wet De-Lamination	AS/NZS 4201.2	Pass
Shrinkage	AS/NZS 4201.3	≤0.5%
Tensile Strength	AS 1301.448	
Machine Direction (kN/ m)		(Min 9.5) 10.8
Lateral Direction (kN/ m)		(Min 6.0) 7.8
Edge Tear Resistance	TAPPI T470	
Machine Direction (N)		(Min 65) 101
Lateral Direction (N)		(Min 65) 117
Folding Endurance	AS 1301.423	
Machine Direction		>2.00
Lateral Direction		>1.70
Fire Resistance		
Speed Factor	AS 1530 Part 2	0
Speed Factor	AS 1530 Part 2	0
Heat Factor	AS 1530 Part 2	1
Flammability Index**	AS 1530 Part 2	≤5

ACCESSORIES

APPLICATION	PRODUCT	WIDTH (mm)	LENGTH (m)	ITEMS PER CARTON	PRODUCT CODE
Sealing joints/penetrations	493 reinforced foil tape	72	50	16	17369

SAMPLE SPECIFICATION

Facing material should be CSR Bradford Acoustituff™, tested to AS/NZS 4200.1 bonded directly to Bradford Supertel Glasswool insulation.