

Revision level A

ACOUSTITUFFTM

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

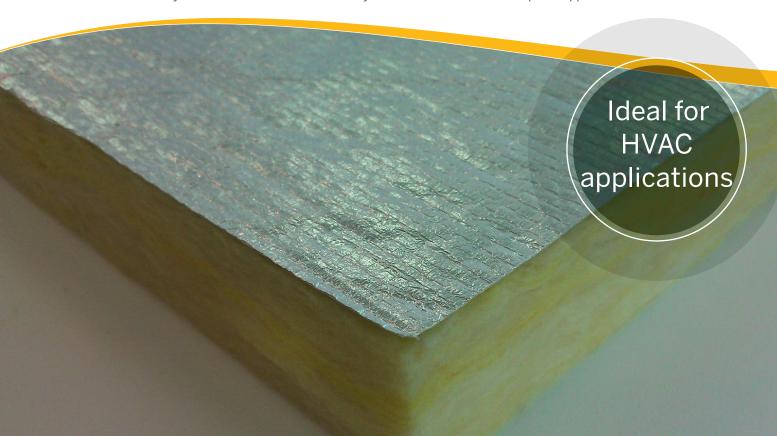
Bradford AcoustituffTM is typically combined with the thermal and acoustic properties of Glasswool insulation. The Acoustituff facing provides a sealed face to the insulation, separating it from contaminates found in some ducted air streams. Its light weight construction provides excellent low to mid 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.



ACOUSTITUFFTM

ACOUSTIC PROPERTIES

| BASE | | | | | | | | | NRC |
|------------|------|------|------|------|------|------|------|------|------|
| INSULATION | (mm) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 5000 | NIC |
| 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 accoradnace 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 | | | | | | |
| Spead 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 joins/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.



CSR Bradford Locked Bag 1345 North Ryde BC NSW 1670 csrbradford.com.au

Email: bradfordenquiries@csr.com.au

For further information call **1300 850 305** or visit **bradfordinsulation.com.au**

