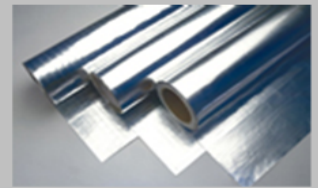


# ALUMINUM VAPOUR BARRIER

*Double sided Flame Retardant*

IDEAL SERIES

MODEL : 5001FSK



## Product Description

The Model 5001 is a lightweight multi-purpose 6 layer foil . It Consist of two layers of aluminum foil each of 7 micron thickness , laminated to a 90gsm center layer of flame retardant kraft paper and bonded with flame retardent adhesive on both sides. This is further strengthened by a 3-way fiberglass scrim.

## Product Function

### Insulation

Because of it's high reflectivity and low emissivity of the aluminum foil surfaces, it is an effective thermal insulating material when used in conjunction with an airspace . This makes a perfect barrier to heat flow by radiation and convection .

Used in -insulating roofs, walls, floors of houses, industrial, commercial and institutional buildings .

### Water Vapour Barrier

Because of it's excellent water vapour permeance, it is extremely effective in the prevention of condensation .

Used in -duct insulating in conjunction with glasswool or other insulation materials.

### Sarking

The aluminum foils and the polymeric adhesive prevents the ingress of liquid water which provides for a high degree of resistance to the passage of water vapour .

Used in -sarking and sheathing material where additional weather protection is required .

### Lighting Improvement

Because of it's high reflativity , when installed in an exposed internal roof , the reflectivity of the ceiling is increased by up to 40% . This results in improved lighting, a more even light distribution and most importantly , huge cost savings .

## Roll Size

1250mm X 60m

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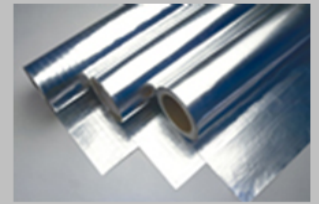
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## Physical Properties



air distribution products

Form Function Reliability



| Properties                   | Unit   | Value           | Test Method        |
|------------------------------|--------|-----------------|--------------------|
| Basic Weight                 | gsm    | 140             | ASTM D646          |
| Tensile Strength M.D.        | N/25mm | 200             | ASTM D828          |
| Tensile Strength X.D.        | N/25mm | 110             | ASTM D828          |
| Burst Strength               | N/sqcm | 52              | ASTM D747          |
| Temperature Resistance       | -40deg | No Delamination | ASTM D1790         |
| Temperature Resistance       | 166deg | No Delamination | ASTM D1790         |
| Water Vapour Permeability    | ng/N.s | 1.15(max)       | ASTM E - 96        |
| Fire Rating                  | Class  | O               | BS 476 Parts 6 & 7 |
| Reflectivity of foil surface | %      | 95              |                    |
| Emissivity of foil surface   | %      | 5               | ASTM E408          |



WB Air Techniques Pte Ltd

7 Toa Payoh Industrial Park

#01-1245 Singapore 319059

T 65 6252 6707

F 65 6253 4435

E wbsales@singnet.com.sg

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