



## Vaporstop™ foil/ tape



### VAPORSTOP FOIL / TAPE

- Helps to prevent Corrosion under Insulation (C.U.I.)
- Multi-layer construction of aluminium and Polyester foil
- Excellent vapour barrier properties
- Outstanding mechanical characteristics
- Also available with self-adhesive acrylic layer and release paper



### VAPORSTOP™ FOIL 12/25/12

**VaporStop™** foil, is a three layer lamination of 12 $\mu$  polyester film / 25 $\mu$  aluminium foil / 12 $\mu$  polyester film. Used as a facing over insulation board, segments, pipe sections, etc.. Primarily used in cold/cryogenic insulation systems, to prevent the ingress of moisture into the insulation.

**VaporStop™** combines the excellent vapour barrier properties of aluminium with the outstanding mechanical and thermal characteristics of polyester film, giving an ideal, flexible and efficient barrier material, suitable for outdoor use.

#### Physical properties

|                               |  |
|-------------------------------|--|
| Construction                  | 12 $\mu$ Polyester / 25 $\mu$ Alu / 12 $\mu$ Polyester |
| Service temperature           | -80 / +150°C   |
| Melting point (polyester)     | 250°C  |
| Weight                        | 106 gr/m <sup>2</sup>                                  |
| Specific gravity              | 2.2 kg/dm <sup>3</sup>                                 |
| Vapour permeability           | 0.000001 g/m <sup>2</sup> .h.mmHg (EN 1931)            |
| Emissivity                    | 0,52 (ISO-22097)                                       |
| Humidity absorption           | <0.3 %   |
| Tensile strength (ASTM D 882) | MD $\geq$ 100 N/mm <sup>2</sup>                        |
| Elongation                    | 54 – 58 %  |

### SELF ADHESIVE VAPORSTOP™ FOIL 12/25/12

**VaporStop™** Tape 12/25/12 has a solvent-based acrylic adhesive with the excellent vapour barrier properties of aluminium foil and outstanding physical and chemical characteristics of polyester film to seal the joints of vapour foil on insulation board or as a wrap-around protective barrier on insulated pipes and vessels and valve / flange boxes.

#### Physical properties

|                           |   |
|---------------------------|---|
| Construction              | 12 $\mu$ Polyester / 25 $\mu$ Alu / 12 $\mu$ Polyester<br>+ acrylic adhesive + silicone release paper |
| Service Temperature       | -80 / +150°C  |
| Melting point (polyester) | 250°C   |
| Vapour permeability       | 0.000001 g/m <sup>2</sup> .h.mmHg (EN 1931)   |
| Emissivity                | 0,52 (ISO-22097)  |
| Elongation                | 54-58 %   |
| Tensile strength          | 116 Mpa   |
| Break strength            | 65 N / 10 mm  |
| Adhesive Power            | 17.50 kg/25 mm  |
| Roll length               | 50mtr   |
| Available widths          | 100cm, 100mm, 75mm, 50mm  |