

## Rooftherm/Walltherm

## Product Data Sheet

|                              |   |  |
|------------------------------|---|--|
| <u>BASE MATERIAL</u>         | : | Low Density Polyethylene Foam  |
| <u>CELL STRUCTURE</u>        | : | Closed   |
| <u>THERMAL CONDUCTIVITY</u>  | : | 0.031 to .045 W/mK over the – 50 <sup>0</sup> C to + 50 <sup>0</sup> C temperature range. Typical 0.32 @ 23 <sup>0</sup> C<br><b>Typical “R” value 50mm = R1.6</b>   |
| <u>OPERATING TEMPERATURE</u> | : | -40 <sup>0</sup> C to +90 <sup>0</sup> C<br>Not suitable for applications above 90 <sup>0</sup> C. Can however be used below –40 <sup>0</sup> C by utilising additional layers of Thermotec, staggering joints and incorporating a vapour barrier. |
| <u>FIRE PERFORMANCE</u>      | : | Spread of Flame 0<br>Heat Evolved 1<br>Smoke Development 4<br>Above per AS1530.3 - Smoke given off is non-toxic<br>AS/NZS3837 Group 3 Classification   |
| <u>OZONE RESISTANCE</u>      | : | Excellent per ASTM D1171   |
| <u>WATER ABSORPTION</u>      | : | < 2% after 28 days – DIN 53434   |
| <u>WEATHERABILITY</u>        | : | Very good. Does however require coating of exterior acrylic paint for protection against U.V. degradation.   |
| <u>CHEMICAL RESISTANCE</u>   | : | Resists most common acids, chemicals, fuels  |
| <u>ODOUR</u>                 | : | None   |
| <u>STANDARD SHEET SIZE</u>   | : | 2 metres x 1 metre   |
| <u>STANDARD THICKNESS</u>    | : | 25mm & 50mm  |
| <u>TOXICITY</u>              | : | NON TOXIC  |
| <u>STANDARD COLOUR</u>       | : | BLACK OR WHITE   |