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# TECHNICAL INFORMATION

## TECHNICAL DATA SHEET

### Thermobreak<sup>®</sup> Thermaloc

|  |   |
|--|---|
| <b>Material:</b>                                     | Crosslinked closed cell polyolefin foam   |
| <b>Nominal Density:</b>                              | 300 kg/m <sup>3</sup>   |
| <b>Thermal Conductivity:</b><br>(ASTM C518)          | 0.069 W/m.°K (@ 23°C mean temperature)  |
| <b>Water absorption by volume:</b><br>(Internal)     | <1% w/w   |
| <b>Resistance to fungi:</b><br>(ASTM G21)            | Good  |
| <b>Leachable Chlorides:</b><br>(ASTM C871)           | < 70 ppm (< 0.007% w/w)   |
| <b>Ozone Resistance:</b>                             | Excellent   |
| <b>UV Resistance:</b>                                | Excellent   |
| <b>VOC Emission Rate:</b><br>(ASTM D5116)            | Low VOC emitting ("Green Star")   |
| <b>Compression Strength:</b><br>(Internal)           | 850 kPa @ 10% deflection<br>970 kPa @ 25% deflection<br>1540 kPa @ 50% deflection |
| <b>Operating Temperature Range:</b>                  | -40 °C ~ +105 °C  |
| <b>AS 1530 Part 3 Flammability (Foil Tape Faced)</b> | <b>COMPLIES (AS 4254)</b>   |
| <b>BS 6853 Annex B Smoke Toxicity</b>                | <b>COMPLIES (R &lt; 1.0)</b>  |



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.

Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.

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