

## Technical Data Sheet

# Greentherm<sup>®</sup> 120

CFC/HCFC Free Rigid Polyisocyanurate Insulation Pipe Supports

| Material Property            | Test Method                                | Unit              | Typical Value            |
|------------------------------|--|-------------------|--------------------------|
| Nominal Dry Density          | EN ISO 845                                 | kg/m <sup>3</sup> | 120                      |
| Thermal Conductivity         | EN 12667 at +10°C                          | W/m·K             | 0.043                    |
|                              | Initial<br>Aged (25 weeks @ 70°C)          | W/m·K             | 0.045                    |
| Colour                       |  |                   | Grey                     |
| Operating Temperature Limits | Upper Limit                                | °C                | +120                     |
|                              | Lower Limit                                | °C                | -50                      |
| Compressive Strength         | EN 826 at +23°C<br>Parallel                | kPa               | > 1000                   |
|                              | Perpendicular                              | kPa               | > 800                    |
| Tensile Strength             | ASTM D 1623 – Spec. A at +23°C<br>Parallel | kPa               | > 800                    |
|                              | Perpendicular                              | kPa               | > 600                    |
| Linear Dimensional Stability | EN 1604<br>+93°C for 24 hours              | %                 | ≤ 1                      |
|                              | -30°C for 24 hours                         | %                 | ≤ 1                      |
| Friability                   | ASTM C 421 (10 min.)                       | %                 | ≤ 15                     |
| Linear Expansion Coefficient | ASTM D 696                                 | K <sup>-1</sup>   | 40-70 x 10 <sup>-6</sup> |

| Fire Properties         | Test Method   | Typical Result   |
|-------------------------|---------------|--|
| Fire Propagation        | BS 476-6      | Index of performance (I) not exceeding 12 and sub-index (i <sub>s</sub> ) not exceeding 6* |
| Surface Spread of Flame | BS 476-7      | Class 1*   |
| Horizontal Burning      | EN ISO 3582   | ≤ 10 mm  |
| Oxygen Index            | EN ISO 4589-2 | ≥ 50 %   |
| Temperature Index       | EN ISO 4589-3 | > 390°C  |
| Epiradiateur            | NF P92-501    | M1   |
| Vertical Burning        | DIN 4102-1    | B2   |

\* These test results combined enable a **Class 0** classification to the Building Regulations

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