SFUF | Multi-foil insulation for solid & suspended floors

SuperFOIL Insulation
Thermal Insulation for use Under Floors, walls & Other Areas of Construction

Installation Guidelines & Datasheet

SFUF Applications

- Suspended Floors
  - Floor Boards
  - Skirting
  - Joists
  - Staple or Clip

- SFUF with Underfloor Heating In Suspended Floors
  - Finished Floor
  - Joists
  - Under Floor Heating Pipes

- Solid Floor
  - Skirting
  - Batten
  - Finished Floor
  - Solid Floor

- SFUF With Under Floor Heating
  - Finished Floor
  - Screed
  - Under Floor Heating Pipes
  - Subfloor

Basic Install Principles

- Run SFUF up the wall
- Butt & tape Joints
Key Features

SFUF can be used in floors, walls, roofs and any place that requires a slim high performance insulation
SFUF can be used under screed & laminate floors as well as over or under suspended floors
SFUF will contribute to the airtightness of your building
SFUF provides sound insulation & reduces impact noise up to an estimated $\Delta I = 22$ dB
SFUF provides a thermal break to reduce or eliminate cold bridging when turned up the walls
SFUF contains multiple reflective layers that reflect radiant energy into the room
SFUF can be used to meet or improve U-value in both new build and renovation projects
SFUF is ideal for insulating underfloor radiant heating pipes and has grid marking to assist with laying of underfloor pipes

Technical

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>LAYERS</th>
<th>SPECIFICATION</th>
<th>DATA</th>
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<tbody>
<tr>
<td>Polypropylene reinforced heavy outer laminated foil</td>
<td>2</td>
<td>Tested 'R' value</td>
<td>0.8</td>
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<tr>
<td>Aluminium coated reflective foil PET layers</td>
<td>4</td>
<td>Thickness installed</td>
<td>6mm</td>
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<td>Thermo foam separation layers</td>
<td>6</td>
<td>Roll dimensions</td>
<td>1.5m x 12.5m</td>
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<tr>
<td>Polyethylene protective layer</td>
<td>1</td>
<td>Total area per roll</td>
<td>18.75sqm</td>
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<tr>
<td>Total layers</td>
<td>13</td>
<td>Tensile Strength - Lateral</td>
<td>550</td>
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<tr>
<td>Packing</td>
<td>142 Poly tube</td>
<td>Tensile Strength - Longitude</td>
<td>60</td>
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<tr>
<td>Weight per roll</td>
<td>9Kg</td>
<td>Thermal Break</td>
<td>Yes</td>
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<tr>
<td>Dimensions packed</td>
<td>1.5m x 420mm</td>
<td>Acoustic Performance - Noise Impact</td>
<td>Delta L: Up to 22db</td>
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</tbody>
</table>

Installation

SFUF with Wet Underfloor heating:

- Lay SFUF on a clean, dry and smooth surface
- Start at the wall edge with a minimum of 100mm lapping the wall edge
- Install your underfloor heating and screeding to the manufacturers recommendations

SFUF Over joists on Suspended Floors:

- Start at the wall edge with a minimum of 100mm lapping the wall edge.
- Roll SFUF out over the joists
- SFUF can then be stapled in place, onto the joists.
- Where rolls meet, butt the edges together and seal with foil tape.
- Decking should then be installed over the SFUF in accordance to the manufacturers guidelines.

SFUF Under Joists on Suspended Floors:

- Roll SFUF out over the joists
- SFUF can then be stapled in place, onto the joists
- Where rolls meet, butt the edges together and seal with foil tape.
- Seal the SFUF around the perimeter or lap it up the wall above the floor deck.

Other Applications:

For other applications such as roofs & walls, please call us on 01636 639 800 or visit our site at www.superfoil.co.uk

For more information visit www.SuperFOIL.co.uk

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