SoffitLiner is an innovative weather resistant panel designed to insulate semi exposed concrete soffits.

This innovative product is a factory bonded composite comprising 6mm fibre-cement board and high performance insulation. Fibre-cement board is designed to withstand extreme climatic and working conditions. It offers excellent impact resistance, with a smooth grey surface and requires no finishing.

Exposed Concrete Soffit
Our SoffitLiner-based products can be used for thermal upgrading on semi-exposed concrete decks in new build or refurbished buildings. It has been used extensively on car parks and other soffit lining applications.

Technical support
Panel Systems offers a full technical support service, including the calculation of U values, interstitial condensation analysis and SAP ratings. For further advice, please contact our dedicated technical helpline on 0114 249 5635 or email: acp@panelsystems.co.uk.

Handling and Storage
SoffitLiner is packed on pallets with limited weather protection. Pallets should always be stored on flat ground and if materials are likely to remain exposed for long periods, then additional protection of the pallet will be required. Boards that have been allowed to get wet should not be used.

When boards are removed from the pallet, they should be stored flat and in a dry area.

SoffitLiner can be cut using normal site cutting tools including circular saws and fine toothed saws.

Environmental:
SoffitLiner boards are free from CFC's and HCFC's and represent no known threat to the environment. If the intended application requires a BREEAM rating, SoffitLiner is an ideal solution. Our insulation materials have Zero Ozone depletion potential (ODP) and Low Global Warming Potential (GWP)

Decoration:
SoffitLiner facing board can be painted without any special priming, using an alkali-resistant paint or emulsion. Under normal circumstances, two coats of paint give a satisfactory finish. The following types of paint are suitable: pva, acrylics, pvc, chlorinated rubber, polyurethane, epoxy and silicate.

<table>
<thead>
<tr>
<th>Insulation backing</th>
<th>Sheet size</th>
<th>Enhanced BREEAM rating</th>
<th>Zero ODP</th>
<th>GWP less than 5</th>
<th>Euroclass A1 facing board</th>
<th>Class C Fire Insulation</th>
<th>Non-combustible insulation</th>
<th>Overall board thickness for 0.30 u-value*</th>
<th>Overall board thickness for 0.25 u-value*</th>
<th>Overall board thickness for 0.20 u-value*</th>
</tr>
</thead>
<tbody>
<tr>
<td>SoffitLiner</td>
<td>Styrofoam</td>
<td>2400 x1200</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>81mm</td>
<td>106mm</td>
<td>126mm</td>
</tr>
<tr>
<td>SoffitLiner Fr</td>
<td>Phenolic foam</td>
<td>2400 x1200</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>66mm</td>
<td>81mm</td>
<td>106mm</td>
</tr>
<tr>
<td>SoffitLiner Fr</td>
<td>Mineral fibre</td>
<td>1200 x600</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>116mm</td>
<td>136mm</td>
<td>166mm</td>
</tr>
</tbody>
</table>

*Guide only. Calculation based on a typical exposed soffit application of 75mm sand/cement screed laid on 150mm dense concrete slab.

Euroclass A1 facing board offering excellent fire resistance
CFC / HCFC Free
BREEAM compliant option available
A range of three insulation options to suit all applications
Reduces cold bridging on soffits
Integral impact / weather resistant
facing and dimensionally stable
Long term high performance insulation
Self-finished and requires no decoration
Easy to cut and lightweight to handle, enabling speedy dry installation
Zero ODP and low GWP
For more information or to place an order, contact the sales office at Panel Systems on 0114 249 5635 or email: acp@panelsystems.co.uk www.panelsystems.co.uk

Exposed Concrete Soffit - Installation

Direct to concrete soffit:
Boards are fixed direct to the concrete using mechanical fixings. Fixings should be at 600mm centres (12/15 per board) and 50mm in from the board edges. Each fixing should penetrate the concrete by at least 25mm and holes should be drilled oversize by 2mm in the board. The head of the fixing should be around 25mm. Boards must be staggered in a brick pattern and a small 2mm gap between each board is recommended.

If the external perimeter of the soffit results in exposed board edges then these need to be protected with a 0.5mm light grey steel flashing.

Timber battens: Where an uneven surface exists or there are services, timber battens may be used. Treated timber battens 50mm x 25mm are fixed to the soffit to coincide with the fixing pattern outlined in the direct fixing instructions.

Fixing guide
The fixings should be evenly distributed over the whole area of the board, and must offer a minimum 40mm penetration into a solid substrate.

Fixings at board edges must be located more than 50mm and less than 150mm from edges and corners of the board and not overlap board joints.

Fixings layout for SoffitLiner FR+

For details & pricing on mechanical fixings, please contact our sales office.