### Insulation Products and Systems: Insulated Block

<table>
<thead>
<tr>
<th>Manufacturer Name</th>
<th>EVPD Reference</th>
<th>Description</th>
<th>Warranty Period</th>
<th>Lead Times</th>
<th>Construction Compliance Scheme</th>
<th>Insulation Services</th>
<th>Approved Applicators</th>
<th>Section Dated</th>
<th>Website for Data</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apex Concrete Block Factory LLC</td>
<td>APX-ICB-RER1-002</td>
<td>Vertical joints have continuity of insulation via the block incorporating a 12mm insulation extension. Overall U-value performance relies upon 110mm width insulating strips having maximum thermal conductivity of 0.0283 W/mK being laid to all horizontal joints. Water Vapour Barriers are not required. Other items necessary include: Mortar 10mm (density = 1700 Kg/m³, Thermal conductivity = 0.830 W/mK) (by others). Extruded Polystyrene 110mm Insert (Density = 32-35 Kg/m³, Thermal conductivity = 0.0283 W/mK) (by Arabian Chemicals).</td>
<td>10 years Normal (2 months)</td>
<td>Yes</td>
<td>Normal (3 months)</td>
<td>Yes</td>
<td>No</td>
<td>52 years</td>
<td></td>
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</tr>
<tr>
<td>Apex Concrete Block Factory LLC</td>
<td>APX-ICB-RER1-003</td>
<td>Vertical joints have continuity of insulation via the block incorporating a 12mm insulation extension. Overall U-value performance relies upon 160mm width insulating strips having maximum thermal conductivity of 0.0371 W/mK being laid to all horizontal joints. Water Vapour Barriers are not required. Other items necessary include: Mortar 10mm (density = 1700 Kg/m³, Thermal conductivity = 0.830 W/mK) (by others). Expanded Polystyrene 160mm Insert (Density = 25 Kg/m³, Thermal conductivity = 0.0371 W/mK) (by National Polystyrene or Styrene Insulation). Concrete 70mm (density = 1700 Kg/m³, Thermal conductivity = 0.830 W/mK).</td>
<td>10 years Normal (3 months)</td>
<td>Yes</td>
<td>Normal (3 months)</td>
<td>Yes</td>
<td>No</td>
<td>52 years</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Apex Concrete Block Factory LLC</td>
<td>APX-ICB-RER1-004</td>
<td>Vertical joints have continuity of insulation via the block incorporating a 12mm insulation extension. Overall U-value performance relies upon 160mm width insulating strips having maximum thermal conductivity of 0.0371 W/mK being laid to all horizontal joints. Water Vapour Barriers are not required. Other items necessary include: Mortar 10mm (density = 1700 Kg/m³, Thermal conductivity = 0.830 W/mK) (by others). Expanded Polystyrene 160mm Insert (Density = 25 Kg/m³, Thermal conductivity = 0.0371 W/mK) (by National Polystyrene or Styrene Insulation).</td>
<td>10 years Normal (3 months)</td>
<td>Yes</td>
<td>Normal (3 months)</td>
<td>Yes</td>
<td>No</td>
<td>52 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Notes:**
- Remaining items are to be specified in addition by the Contractor and are NOT provided by the listed supplier.

**Manufacturer Construction Reference:**
- ATB-25/11
- ATB-25/11
- ATB-25/11

**Single Villa Development:**
- Wall U=0.21 W/m²K

**Multiple Villa Development:**
- Wall U=0.29 W/m²K

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