# BAUMIT EXTERNAL WALL INSULATION SYSTEM
## INDEX OF DETAILS

<table>
<thead>
<tr>
<th></th>
<th>TYPE</th>
<th>STAGE</th>
<th>REVISION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A</strong></td>
<td>PLINTH AND PERIMETER INSULATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A 1.10</td>
<td>INSULATED PLINTH</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>A 2.10</td>
<td>INSULATED PLINTH</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>A 2.11</td>
<td>BASE BEAD</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td><strong>B</strong></td>
<td>WALL AND DOOR CONNECTIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B 1.10</td>
<td>WINDOW HEAD</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>B 1.11</td>
<td>WINDOW SILL</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>B 1.12</td>
<td>WINDOW REVEAL</td>
<td>DETAIL PLAN</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>B 1.13</td>
<td>WINDOW SILL</td>
<td>ISOGRAPHIC VIEW</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>B 2.10</td>
<td>RECESS WINDOW HEAD</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>B 2.11</td>
<td>RECESS WINDOW SILL</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>B 2.12</td>
<td>RECESS WINDOW REVEAL</td>
<td>DETAIL PLAN</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>B 2.13</td>
<td>RECESS WINDOW SILL</td>
<td>ISOGRAPHIC VIEW</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td><strong>C</strong></td>
<td>ROOF CONNECTIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C 1.10</td>
<td>EAVES</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>C 1.11</td>
<td>LEAN-TO ROOF</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>C 2.10</td>
<td>EAVES</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>C 2.11</td>
<td>LEAN-TO ROOF</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td><strong>D</strong></td>
<td>MOVEMENT JOINTS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D 1.10</td>
<td>MOVEMENT JOINT</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>D 1.11</td>
<td>MOVEMENT JOINT</td>
<td>DETAIL PLAN</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>D 2.10</td>
<td>MOVEMENT JOINT</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>D 2.11</td>
<td>MOVEMENT JOINT</td>
<td>DETAIL PLAN</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td><strong>E</strong></td>
<td>GENERAL INSTALLATION</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E 1.10</td>
<td>SERVICE PIPE CONNECTION</td>
<td>DETAIL SECTION</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td>E 2.10</td>
<td>SERVICE PIPE CONNECTION</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td><strong>F</strong></td>
<td>FIRE BREAKS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F 1.11</td>
<td>FIRE BARRIER / CONTINUOUS</td>
<td>DETAIL SECTION /</td>
<td>NEW CONSTRUCTION</td>
</tr>
<tr>
<td></td>
<td>FIRE BREAK</td>
<td>ISOGRAPHIC VIEW</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>F 2.10</td>
<td>FIRE FIXING</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>F 2.11</td>
<td>FIRE BARRIER</td>
<td>DETAIL SECTION</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td>F 2.12</td>
<td>FIRE BARRIER / CONTINUOUS</td>
<td>DETAIL SECTION /</td>
<td>REFURBISHMENT</td>
</tr>
<tr>
<td></td>
<td>FIRE BREAK</td>
<td>ISOGRAPHIC VIEW</td>
<td>REFURBISHMENT</td>
</tr>
</tbody>
</table>
Note: 1. Location and level of dpc and footpath to be established during survey. Project specific design to ensure that dpc is not compromised.
Existing render

Facade insulation board
Adhesive mortar
Render base coat + reinforcing mesh
Render finish coat
Perimeter insulation board within 300mm of ground level (splash zone)
Base profile packers
"therm" base profile
Joint seal band
Render base coat + reinforcing mesh

Perimeter insulation board
Render finish coat
Outside ground level

Gravel drainage
Waterproof sealing coat
Dimpled plastic protection sheet

Recommended depth of insulation:
600mm below top of floor insulation.

Note: 1. Location and level of dpc and footpath to be established during survey.
Project specific design to ensure that dpc is not compromised.
Existing render

Facade insulation board

Adhesive mortar

Render base coat + reinforcing mesh

Render finish coat

Perimeter insulation board within 300mm of ground level (splash zone)

Base profile packers

"therm" base profile

Joint seal band

Existing DPC

Outside ground level

Note: 1. Location and level of dpc and footpath to be established during survey.
Project specific design to ensure that dpc is not compromised.
Adhesive mortar
Facade insulation board
Fixing
Render base coat + reinforcing mesh
Render finish coat
Window packer
PVC corner bead
Joint seal band
Render seal bead

Note: 1. Positive fixings to be provided around all window and door openings to ensure adequate and robust edge restraint.
Joint seal band
Window sill (min. 5° slope)
Anti-drone pad
Sill bracket where required
Adhesive mortar
Facade insulation board
Fixing
Render finish coat
Render base coat + reinforcing mesh

Note: 1. Window sill fixing and sealing to be in accordance with manufacturer's instructions.
2. Window unit and sill to be compatible i.e. provide a fully sealed, flush finished joint at interface. Other sill/frame designs must achieve equivalent standard of sealing, fixing and movement accommodation at sill/frame interface and sill/reveal interface. Sill upstand should not compromise window drainage.
Note: 1. Positive fixings to be provided around all window and door openings to ensure adequate and robust edge restraint.
2. Flexible sealant to be provided as necessary at all intersections between dissimilar materials.
Continuous strip of joint seal band between insulation and sill (at top and outside of sill endcap and under sill)

Joint seal band

End cap to window sill

Joint seal band under sill

Joint seal band to rear of sill upstand

Anti-droplet pad

Facade insulation board

Render base coat + reinforcing mesh

Render finish coat

Sill bracket where required

Masonry wall

Note: 1. Window sill fixing and sealing to be in accordance with manufacturer's instructions.
2. Window unit and sill to be compatible ie provide a fully sealed, flush finished joint at interface. Other sill/frame designs must achieve equivalent standard of sealing, fixing and movement accommodation at sill/frame interface and sill/reveal interface. Sill upstand should not compromise window drainage.
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Window packer
Reveal insulation board
min. 30mm thick
Render seal bead
Joint seal band
Cut back existing render to reveal
Facade insulation board
PVC corner bead
Window sill
End cap to window sill
Render base coat
+ reinforcing mesh
Render finish coat
Fixing
Adhesive mortar

Note: 1. Positive fixings to be provided around all window and door openings to ensure adequate and robust edge restraint.
2. Flexible sealant to be provided as necessary at all intersections between dissimilar materials.
Continuous strip of joint seal band between insulation and sill (at top and outside of sill endcap and under sill)

Joint seal band

End cap to window sill

Joint seal band under sill

Joint seal band to rear of sill upstand

Anti-drone pad

Insulation fillet

Facade insulation board

Render base coat + reinforcing mesh

Render finish coat

Sill bracket where required

Original concrete sill cut flush with outside face of wall

Existing render on masonry wall

Note: 1. Window sill fixing and sealing to be in accordance with manufacturer's instructions.
2. Window unit and sill to be compatible ie provide a fully sealed, flush finished joint at interface. Other sill/frame designs must achieve equivalent standard of sealing, fixing and movement accommodation at sill/frame interface and sill/reveal interface. Sill upstand should not compromise window drainage.
Ensure continuity of insulation at junction of attic quilt insulation and external wall insulation

Fire stop board provided between external insulation and roof cavity

Proprietary roof ventilator

Render stop bead

Hanger for soffit

Joint seal band

Fascia

Proprietary eaves ventilation

Render finish coat

Render base coat + reinforcing mesh

Facade insulation board

Adhesive mortar

Note: 1. Provision for fire stopping, ventilation and insulation at eaves to be fully in accordance with the Building Regulations. See DoEHLG Acceptable Construction Details.
Facade insulation board
Adhesive mortar

Render base coat + reinforcing mesh
Render finish coat
Base profile packers
"therm" base profile
Joint seal band
DPC
Lead cover flashing
Lead upstand flashing+clips

Roof structure as required
Rafter
Roof insulation / ventilation as required

Note: 1. Provision for fire stopping, ventilation and insulation of roof to be fully in accordance with the Building Regulations.
Ensure continuity of insulation at junction of attic quilt insulation and external wall insulation
Existing render on masonry wall
Fire stop board provided between external insulation and roof cavity
Proprietary roof ventilator
Render stop bead
Hanger for soffit
Joint seal band
Fascia

Proprietary eaves ventilation
Render finish coat
Render base coat + reinforcing mesh
Facade insulation board
Adhesive mortar

Note: 1. Provision for fire stopping, ventilation and insulation at eaves to be fully in accordance with the Building Regulations. See DoEHLG Acceptable Construction Details.
Facade insulation board

Adhesive mortar

Existing render

Render base coat + reinforcing mesh

Render finish coat

Base profile packers

"therm" base profile

Joint seal band

Extend existing wall DPC as required

Lead cover flashing

Lead upstand flashing+clips

Roof structure as required

Rafter

Roof insulation / ventilation as required

Note: 1. Provision for fire stopping, ventilation and insulation of roof to be fully in accordance with the Building Regulations.
Adhesive mortar
Facade insulation board
Render base coat + reinforcing mesh
Render finish coat
Structural movement joint
Movement profile E
Compressible mineral wool filler joint
Masonry wall
Masonry wall

Adhesive mortar

Facade

Insulation board

Render base coat + reinforcing mesh

Render finish coat

Movement profile V

Compressible mineral wool filler joint

Insulation boards must be bonded to one wall only to allow movement Structural movement joint
Insulation boards must be bonded to one wall only to allow movement.

Compressible mineral wool filler joint.

Structural movement joint.

Render base coat + reinforcing mesh.

Insulation board + render finish coat.

Facade adhesive mortar.

Existing render on masonry wall.
Note: 1. Fixing to be appropriate for use. Where necessary fixing should be secured to substrate. See Baumit typical details.
Note: 1. Fixing to be appropriate for use. Where necessary fixing should be secured to substrate. See Baumit typical details.
Fire break installed at every second floor level and at compartment walls
Reinforcing mesh (under the fixing anchor head incorporated into the render base coat)

Fixing cap / fire fixing

Facade insulation board

Existing render on masonry wall

Adhesive mortar

Render base coat + reinforcing mesh

Render finish coat

Thermally broken fixing

Horizontal: Fixings at 1m centers

Vertical: Fixings at 0.5m centres

15mm insulation fixing cap

Fixing mesh (under fixing and incorporated into render coat)

Note: 1. Mechanical and fire fixings in accordance with project specific design
Reinforcing mesh (under the fixing anchor head incorporated into the render base coat)

Fixing cap / fire fixing

Facade insulation board
Existing render on masonry wall
Adhesive mortar
Render base coat + reinforcing mesh
Render finish coat
Thermally broken fixing
Horizontal: Fixings at 1m centers
Vertical: Fixings at 0.5m centres
15mm insulation fixing cap
Fixing mesh (under fixing and incorporated into render coat)
Mineral fibre lamella
Fire break installed at every second floor level and at compartment walls