5 Installation Details

1 Lap Splices ......................................................... p. 5.3
2 Base Tie-Ins ..................................................... p. 5.9
3 Corners .............................................................. p. 5.17
4 Penetrations ....................................................... p. 5.25
5 Drains ............................................................... p. 5.31
6 Expansion Joints ................................................ p. 5.37
7 Roof Edges ......................................................... p. 5.45
8 Terminations ...................................................... p. 5.51
9 Miscellaneous ..................................................... p. 5.59
5. Installation Details

• EPDM Installation Details
5.1 Lap Splices

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-LS-1</td>
<td>Standard Seam using 76 mm (3”) Tape</td>
<td>All</td>
</tr>
<tr>
<td>E-LS-2</td>
<td>Reinforced Membrane Seam using 76 mm (3”) Tape</td>
<td>All</td>
</tr>
<tr>
<td>E-LS-3</td>
<td>B.I.S. Seam using 152 mm (6”) Tape</td>
<td>RMA / MAS / BIS</td>
</tr>
<tr>
<td>E-LS-4</td>
<td>Reinforced B.I.S. Seam using 152 mm (6”) Tape</td>
<td>RMA / MAS / BIS</td>
</tr>
<tr>
<td>E-LS-5</td>
<td>QuickSeam Batten Cover</td>
<td>RMA</td>
</tr>
<tr>
<td>E-LS-6</td>
<td>QuickSeam R.M.A.</td>
<td>RMA</td>
</tr>
<tr>
<td>E-LS-7</td>
<td>Standard Seam using 76 mm (3”) Tape for Extensive Green Roofs (FLL approved)</td>
<td>BAL / INV / FAS</td>
</tr>
</tbody>
</table>
### EPDM Installation Details

#### Non Reinforced RubberGard EPDM

- **Standard Seam using 76 mm (3”) Tape**
- **No.:** E - LS - 1
- **Systems:** All

<table>
<thead>
<tr>
<th>Firestone</th>
<th>RubberGard® EPDM</th>
<th>No.: E - LS - 1</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>QuickPrime Plus</strong></td>
<td><strong>Non Reinforced RubberGard EPDM</strong></td>
<td><strong>07/2002</strong></td>
<td><strong>All</strong></td>
</tr>
</tbody>
</table>

- **100 mm (Min.)**

#### Reinforced RubberGard MAX with cut edge

- **QuickPrime Plus**
- **76 mm (3”) QuickSeam Splice Tape**
- **Reinforced RubberGard MAX**

<table>
<thead>
<tr>
<th>Firestone</th>
<th>RubberGard® EPDM</th>
<th>No.: E - LS - 2</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>QuickPrime Plus</strong></td>
<td><strong>Reinforced RubberGard MAX</strong></td>
<td><strong>07/2002</strong></td>
<td><strong>All</strong></td>
</tr>
</tbody>
</table>

- **100 mm (Min.)**

#### Reinforced Membrane Seam using 76 mm (3”) Tape

<table>
<thead>
<tr>
<th>Firestone</th>
<th>RubberGard® EPDM</th>
<th>No.: E - LS - 2</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>QuickPrime Plus</strong></td>
<td><strong>Reinforced RubberGard MAX</strong></td>
<td><strong>07/2002</strong></td>
<td><strong>All</strong></td>
</tr>
</tbody>
</table>

- **100 mm (Min.)**
- **Lap Sealant**
EPDM Installation Details

- Firestone Batten Strip fastened with appropriate fasteners
- QuickSeam Batten Cover Strip centred over Batten Strip
- QuickPrime Plus
- RubberGard EPDM
- Insulation
- Steel Deck

Firestone Batten Strip or approved Plates fastened with appropriate fasteners

QuickPrime Plus
QuickSeam RMA Strip
RubberGard EPDM
Insulation

Firestone
BUILDING PRODUCTS

RubberGard® EPDM
QuickSeam Batten Cover
No.: E - LS - 5
07/2002
Systems
R.M.A. / M.A.S. / B.I.S.

RubberGard® EPDM
QuickSeam R.M.A.
No.: E - LS - 6
07/2002
Systems
R.M.A.
5. Installation Details

**RubberGard® EPDM**

- Standard Seam using 76 mm (3") Tape for Extensive Green Roofs (FLL approved)

---

| Firestone BUILDING PRODUCTS | **RubberGard® EPDM** Standard Seam using 76 mm (3") Tape for Extensive Green Roofs (FLL approved) | **No.:** E - LS - 7 | **Systems** BAL / INV / FAS | **No.:** E - LS - 7 | **09/2009** |
## 5.2 Base Tie-Ins

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-BT-1</td>
<td>Vertical Base Tie-In using QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-2</td>
<td>Horizontal Base Tie-In using QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-3</td>
<td>Plan View of QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-4</td>
<td>Alternative Vertical Base Tie-In</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-5</td>
<td>Alternative Horizontal Base Tie-In</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-6</td>
<td>Base Tie-In at Structural Steel Support</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-7</td>
<td>Base Tie-In under Shingles / Roofing Tiles</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-8</td>
<td>Tie-In to Existing Bituminous Roof</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-9</td>
<td>Tie-In to Existing EPDM Roof</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-10</td>
<td>Tie-In to New Watertight Curb</td>
<td>All</td>
</tr>
<tr>
<td>E-BT-11</td>
<td>Tie-In to New Skylight Curb</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

**EPDM Installation Details**

**RubberGard® EPDM**

**Bonding Adhesive**

**Batten Strip or approved plates fastened at 300 mm o.c. with appropriate fasteners**

**QuickPrime Plus**

**QuickSeam RPF Strip**

**Insulation**

**Batten Strip or approved plates fastened at 300 mm o.c. with appropriate fasteners**

**QuickSeam RPF Strip**

**Insulation**

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

**Vertical Base Tie-In using QuickSeam RPF Strip**

**No.: E - BT - 1**

**Systems:** All

**07/2002**

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

**Horizontal Base Tie-In using QuickSeam RPF Strip**

**No.: E - BT - 2**

**Systems:** All

**07/2002**
5. Installation Details

• EPDM Installation Details

150 mm (Max.)

RubberGard® EPDM Plan View of QuickSeam RPF Strip

No.: E - BT - 3

07/2002

Systems

All

Note: On QuickSeam RPF Strip, Batten Strips can be replaced by approved Plates
5. Installation Details

EPDM Installation Details

RubberGard® EPDM

Alternative Horizontal Base Tie-In

No.: E - BT - 5

Systems: All

07/2002

- Bonding Adhesive
- Batten Strip fastened at 300 mm o.c. with appropriate fasteners
- QuickPrime Plus
- RubberGard EPDM
- Insulation
- 76 mm (3") QuickSeam Splice Tape
- RubberGard EPDM
- 25 mm (Min.)

10 mm (Max.)

30 mm (Max.)

RubberGard® EPDM

Alternative Vertical Base Tie-In

No.: E - BT - 4

Systems: All

07/2002

- Bonding Adhesive
- Batten Strip fastened at 300 mm o.c. with appropriate fasteners
- QuickPrime Plus
- RubberGard EPDM
- Insulation
- 76 mm (3") QuickSeam Splice Tape
- RubberGard EPDM
- 25 mm (Min.)
5. Installation Details

**EPDM Installation Details**

- **Bonding Adhesive**
- **Batten Strip or approved plates fastened at 300 mm o.c. with appropriate fasteners**
- **QuickPrime Plus**
- **QuickSeam RPF strip**
- **RubberGard EPDM**
- **Insulation**
- **Structural Steel**
- **Firestone Batten Strip fastened with appropriate fasteners 150 mm o.c.**
- **Firestone Batten Strip or approved plates fastened at 300 mm o.c. with appropriate fasteners**
- **Bonding Adhesive**
- **QuickSeam RPF strip**
- **QuickPrime Plus**
- **RubberGard EPDM**
- **Insulation**

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

- **Base Tie-In at Structural Steel Support**
- **No.: E - BT - 6**
- **07/2002**
- **Systems**
- **All**

**RubberGard® EPDM**

- **Base Tie-In under Shingles/Roofing Tiles**
- **No.: E - BT - 7**
- **07/2002**
- **Systems**
- **All**
**EPDM Installation Details**

- **Lap Sealant**
  - RubberGard® EPDM
  - No.: E - BT - 8
  - 07/2002

- **Bonding Adhesive**
  - QuickSeam RPF strip
  - QuickPrime Plus

- **Tapered Edge set in Asphalt**

- **Wood Nailer**
  - Continuous Bead of Water Block

- **Metal Coping**

- **Bituminous Membrane**

- **Existing Bituminous Membrane**

- **Bituminous Membrane**

- **Existing EPDM Membrane**

- **178 mm QuickSeam Splice Tape**
  - QuickPrime Plus

- **200 mm (Min.)**

- **Wood Nailer fastened 300 mm o.c.**

- **Continuous Bead of Water Block**

- **Insulation**

- **Paving Stone min. .75 kg/m² with cushion layer**
  - (Ballasted Systems only)

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

- **Tie-In to Existing Bituminous Roof**

- **No.: E - BT - 8**
  - 07/2002

- **Systems**
  - All

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

- **Tie-In to Existing EPDM Roof**

- **No.: E - BT - 9**
  - 07/2002

- **Systems**
  - All
5. Installation Details

### EPDM Installation Details

<table>
<thead>
<tr>
<th>Material/Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watertight Curb</td>
<td></td>
</tr>
<tr>
<td>QuickPrime Plus</td>
<td></td>
</tr>
<tr>
<td>QuickSeam FormFlash / SA Flashing</td>
<td></td>
</tr>
<tr>
<td>75 mm (Min.)</td>
<td></td>
</tr>
<tr>
<td>RubberGard EPDM</td>
<td></td>
</tr>
<tr>
<td>Insulation</td>
<td></td>
</tr>
<tr>
<td>Water Block (Continuous)</td>
<td></td>
</tr>
<tr>
<td>Wood Nailer</td>
<td></td>
</tr>
</tbody>
</table>

### Systems

- **No.:** E - BT - 10
- **Date:** 07/2002
- **Systems:** All

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>Material/Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RubberGard® EPDM</td>
<td>Tie-In to New Skylight Curb</td>
</tr>
<tr>
<td>No.:</td>
<td>E - BT - 11</td>
</tr>
<tr>
<td>Date:</td>
<td>07/2002</td>
</tr>
<tr>
<td>Systems</td>
<td>All</td>
</tr>
</tbody>
</table>

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>Material/Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RubberGard® EPDM</td>
<td>Tie-In to New Watertight Curb</td>
</tr>
<tr>
<td>No.:</td>
<td>E - BT - 10</td>
</tr>
<tr>
<td>Date:</td>
<td>07/2002</td>
</tr>
<tr>
<td>Systems</td>
<td>All</td>
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</tbody>
</table>
## 5.3 Corners

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-C-1</td>
<td>Inside Corner using QuickSeam FormFlash</td>
<td>All</td>
</tr>
<tr>
<td>E-C-2</td>
<td>Folded Inside Corner</td>
<td>All</td>
</tr>
<tr>
<td>E-C-3</td>
<td>Outside Corner using Tape and QuickSeam FormFlash</td>
<td>All</td>
</tr>
<tr>
<td>E-C-4</td>
<td>Outside Corner using QuickSeam FormFlash</td>
<td>All</td>
</tr>
<tr>
<td>E-C-5</td>
<td>Outside Corner using 2 pieces</td>
<td>All</td>
</tr>
</tbody>
</table>
RubberGard® EPDM
Folded Inside Corner
No.: E - C - 2
07/2002
Systems: All
EPDM Installation Details

RubberGard® EPDM
Outside Corner using Tape and QuickSeam FormFlash

No.: E - C - 3
07/2002
Systems
All
RubberGard® EPDM
Outside Corner using
QuickSeam FormFlash

No.: E - C - 4
07/2002
Systems
All
5. Installation Details

RubberGard® EPDM

Outside Corner using 2 pieces

No.: E - C - 5

07/2002

Systems

All
5. Installation Details

- EPDM Installation Details
## 5.4 Penetrations

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-P-1</td>
<td>QuickSeam Pipe Flashing</td>
<td>All</td>
</tr>
<tr>
<td>E-P-2</td>
<td>Field Fabricated Pipe Flashing</td>
<td>All</td>
</tr>
<tr>
<td>E-P-3</td>
<td>Hot Pipe Flashing</td>
<td>All</td>
</tr>
<tr>
<td>E-P-4</td>
<td>Field Fabricated Tube Flashing</td>
<td>All</td>
</tr>
<tr>
<td>E-P-5</td>
<td>Penetration Pocket</td>
<td>All</td>
</tr>
<tr>
<td>E-P-6</td>
<td>Pipe Batten Layout with QuickSeam Batten Cover Strip</td>
<td>RMA / MAS / BIS</td>
</tr>
<tr>
<td>E-P-7</td>
<td>Pipe Batten Layout with EPDM Target Patch</td>
<td>RMA / MAS / BIS</td>
</tr>
</tbody>
</table>
5. Installation Details

**EPDM Installation Details**

- Lap Sealant
- Stainless Steel Clamping Ring
- QuickPrime Plus Insulation
- RubberGard EPDM
- QuickSeam Pipe Flashing
- QuickPrime Plus Insulation
- RubberGard EPDM
- QuickSeam Flashing 127 mm x 152 mm

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - P - 1</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>QuickSeam Pipe Flashing</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - P - 2</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Fabricated Pipe Flashing</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>
### EPDM Installation Details

<table>
<thead>
<tr>
<th>Insulation</th>
<th>RubberGard EPDM</th>
<th>No.:</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RubberGard® EPDM</td>
<td>E - P - 3</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>QuickPrime Plus</td>
<td>07/2002</td>
<td></td>
</tr>
</tbody>
</table>

- Insulation: RubberGard EPDM
- Hood and Sealant: supplied by others
- Insulated Metal Sleeve: fastened to deck
- QuickSeam FormFlash/SA Flashing
- RubberGard EPDM

---

<table>
<thead>
<tr>
<th>Insulation</th>
<th>RubberGard EPDM</th>
<th>No.:</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RubberGard® EPDM</td>
<td>E - P - 4</td>
<td>All</td>
</tr>
<tr>
<td></td>
<td>Field Fabricated Tube Flashing</td>
<td>07/2002</td>
<td></td>
</tr>
</tbody>
</table>

- Insulation: RubberGard® EPDM
- QuickSeam FormFlash
- QuickPrime Plus
- RubberGard EPDM

---

*Notes:*
- 75 mm (Min.)
- 50 mm (Min.)
## EPDM Installation Details

- **Firestone Pourable Sealer** placed to shed water
- **Metal Dam** - round all sheet metal flange corners
- **QuickSeam FormFlash**
- **QuickPrime Plus**
- **RubberGard EPDM**
- **QuickPrime Plus**
- **Firestone Batten Strip fastened 100 mm o.c. with appropriate fasteners**
- **QuickSeam Batten Cover Strip** centred over Batten Strip
- **Lap Sealant**
- **50 mm diameter field-cut EPDM pad**
- **Pipe Penetration**

### System Details

- **RubberGard® EPDM**
  - **Penetration Pocket**
  - **No.: E - P - 5**
  - **Penetration Pocket**
  - **No.: E - P - 6**
  - **System**: R.M.A. / M.A.S. / B.I.S.
5. Installation Details

- **RubberGard® EPDM Pipe Batten Layout with EPDM Target Patch**
- **No.: E - P - 7**
- **Systems:** R.M.A. / M.A.S. / B.I.S.

Diagram:
- 50 mm diameter field-cut EPDM pad
- 25 mm
- 50 mm (Min.)
- Batten Strip fastened 100mm o.c. with appropriate fasteners
- QuickSeam FormFlash Patch
- RubberGard EPDM Target Patch
- 3" QuickSeam Splice Tape
- Outside edge of penetration flashing
- RubberGard EPDM Field Membrane
- Pipe Penetration
## 5.5 Drains

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-D-1</td>
<td>Drain Insert</td>
<td>All</td>
</tr>
<tr>
<td>E-D-2</td>
<td>Drain with Clamping Ring</td>
<td>All</td>
</tr>
<tr>
<td>E-D-3</td>
<td>Drain with Clamping Ring, Slope between 1:12 and 4:12</td>
<td>All</td>
</tr>
<tr>
<td>E-D-4</td>
<td>Scupper</td>
<td>All</td>
</tr>
<tr>
<td>E-D-5</td>
<td>Overflow Scupper</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

**EPDM Installation Details**

- **Insulation**
  - RubberGard EPDM
- **Water Block**
  - RubberGard EPDM
  - Drain with Clamping Ring
  - No.: E-D-1
  - Systems: All
  - 07/2002
- **Extend EPDM into Bowl**
  - 15 to 20 mm (Min.)
- **Max. slope into drain is:**
  - Standard Membrane: 4:12
  - Reinforced Membrane: 1:12
- **Firestone Batten Strip**
  - fastened at 100 mm o.c.
- **QuickSeam FormFlash / SA Flashing**
- **QuickPrime Plus**
- **RubberGard EPDM Drain Insert**
  - No.: E-D-2
  - Systems: All
  - 07/2002

---

**Firestone Building Products**

**RubberGard® EPDM**

**Drain Insert**

**No.: E-D-1**

**Systems**: All

**Drain Insert**

**No.: E-D-2**

**Systems**: All

---

**EPDM Installation Details**
5. Installation Details

**EPDM Installation Details**

- **RubberGard® EPDM Drain with Clamping Ring**
  - Slope between 1:12 & 4:12
  - No.: E - D - 3
  - Systems: All
  - 07/2002

- **QuickPrime Plus**
- **RubberGard MAX**
- **Insulation**
- **Water Block**
- **QuickSeam Splice Tape**
- **Non-Reinforced RubberGard EPDM**
- **Extend EPDM into Bowl 15 to 20 mm (Min.)**
- **Max. slope into drain is: 4:12**
- **Firestone Batten Strip fastened at 100 mm o.c.**

---

**RubberGard® EPDM Scupper**

- **QuickPrime Plus**
- **Water Block**
- **QuickSeam FormFlash**
- **Welded Metal Sleeve**
- **Fastened with appropriate fasteners 100 mm o.c.**
- **RubberGard EPDM**
- **75 mm (Min.)**

---

**Firestone BUILDING PRODUCTS**

---
### EPDM Installation Details

**Welded Metal Sleeve**

- QuickPrime Plus
- Water Block
- QuickSeam FormFlash
- Fastened with appropriate fasteners 100 mm o.c.

**RubberGard® EPDM**

- Overflow Scupper

**Firestone Building Products**

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - D - S</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overflow Scupper</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>
### 5.6 Expansion Joints

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-E-1</td>
<td>Flat Expansion Joint</td>
<td>Ballasted, Inverted</td>
</tr>
<tr>
<td>E-E-2</td>
<td>Flat Expansion Joint with QuickSeam RPF Strip</td>
<td>Adhered, RMA, MAS, BIS</td>
</tr>
<tr>
<td>E-E-3</td>
<td>Flat Expansion Joint with Batten Strip</td>
<td>Adhered, RMA, MAS, BIS</td>
</tr>
<tr>
<td>E-E-4</td>
<td>Existing Expansion Joint</td>
<td>All</td>
</tr>
<tr>
<td>E-E-5</td>
<td>Raised Expansion Joint with QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-E-6</td>
<td>Raised Expansion Joint with Batten Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-E-7</td>
<td>Raised Expansion Joint with QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-E-8</td>
<td>Existing Raised Expansion Joint</td>
<td>All</td>
</tr>
<tr>
<td>E-E-9</td>
<td>Wall Expansion Joint with QuickSeam RPF Strip</td>
<td>All</td>
</tr>
<tr>
<td>E-E-10</td>
<td>Wall Expansion Joint with Batten Strip</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

RubberGard EPDM

Insulation

Protection mat when ballast consists of crushed gravel

1.0 mm (Min.) galvanized sheet metal fastened one side only

Firestone Batten Strip or approved plates fastened 300 mm o.c.

QuickPrime Plus
QuickSeam RPF Strip
RubberGard EPDM
Insulation

Compressible Tube (supplied by others)

Compressible Insulation with Insulation Retainer

Firestone
BUILDING PRODUCTS

RubberGard® EPDM
Flat Expansion Joint
No.: E - E - 1
07/2002
Systems
Ballasted, Inverted

Firestone
BUILDING PRODUCTS

RubberGard® EPDM
Flat Expansion Joint with QuickSeam RPF Strip
No.: E - E - 2
07/2002
Systems
Adhered, RMA, MAS, BS
5. Installation Details

- Compressible Tube (supplied by others)
- Firestone Batten Strip fastened 300 mm o.c.
- Non-Reinforced RubberGard EPDM
- 76 mm (3") QuickSeam Splice Tape
- QuickPrime Plus

RubberGard EPDM Insulation

Wood Nailer

Compressible Insulation with Insulation Retainer

---

RubberGard® EPDM
Flat Expansion Joint with Batten Strip

No.: E - E - 3
07/2002

Systems
Adhered, RMA, MAS, BIS

---

Firestone Batten Strip or approved plates fastened 300 mm o.c.
QuickPrime Plus
QuickSeam RPF Strip
RubberGard EPDM Insulation

Protection mat or EPDM

Optional Fill

50 mm (Min.)

Wood Nailer
Existing Nailer

---

RubberGard® EPDM
Existing Expansion Joint

No.: E - E - 4
07/2002

Systems
All
5. Installation Details

**EPDM Installation Details**

- **Bonding Adhesive**
- **RubberGard EPDM**
- **QuickPrime Plus**

**Insulation**
- Firestone Batten Strip or approved plates fastened 300 mm o.c.
- QuickSeam RPF Strip

**Fastener**
- 300 mm o.c. (Max.)

**Expansion Joint Cover**

---

**Option A**

**Firestone**

**BUILDING PRODUCTS**

**RubberGard EPDM**

Raised Expansion Joint with QuickSeam RPF Strip

**No.:** E - E - 5

**Systems**

All

07/2002

---

**Option B**

**RubberGard® EPDM**

Raised Expansion Joint with Batten Strip

**No.:** E - E - 6

**Systems**

All

07/2002
5. Installation Details

- Bonding Adhesive
- RubberGard EPDM
- QuickPrime Plus
- Firestone Batten Strip or approved plates fastened 300 mm o.c.
- RubberGard EPDM
- QuickSeam RPF Strip
- Insulation

Option A

- Compressible Tube
- RubberGard EPDM
- 76 mm (3”)
- QuickSeam Splice Tape
- RubberGard EPDM
- QuickPrime Plus
- QuickSeam RPF Strip

Option B

- Firestone Batten Strip or approved plates fastened 300 mm o.c.
- QuickPrime Plus

Firestone Building Products

- RubberGard® EPDM
  - Raised Expansion Joint with QuickSeam RPF Strip
  - No.: E - E - 7
  - Systems: All
  - 07/2002

- RubberGard® EPDM
  - Existing Raised Expansion Joint
  - No.: E - E - 8
  - Systems: All
  - 07/2002
5. Installation Details

**EPDM Installation Details**

- **Bonding Adhesive**
- **Compressible Tube (supplied by others)**
  - Exceeding the deck/insulation opening by 50 mm
- **Firestone Batten Strip or approved plates fastened 300 mm o.c.**
- **QuickPrime Plus**
- **QuickSeam RPF Strip**
- **RubberGard EPDM**
- **Insulation**

---

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - E - 9</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Expansion Joint with QuickSeam RPF Strip</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - E - 10</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Expansion Joint with Batten Strip</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>

---

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - E - 9</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Expansion Joint with QuickSeam RPF Strip</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>

---

**Firestone BUILDING PRODUCTS**

<table>
<thead>
<tr>
<th>RubberGard® EPDM</th>
<th>No.: E - E - 10</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Expansion Joint with Batten Strip</td>
<td>07/2002</td>
<td>All</td>
</tr>
</tbody>
</table>

---
### 5.7 Roof Edges

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-RE-1</td>
<td>Standard Roof Edge using QuickSeam Flashing</td>
<td>Adhered, RMA, MAS, BIS</td>
</tr>
<tr>
<td>E-RE-2</td>
<td>Standard Roof Edge using QuickSeam Flashing</td>
<td>Ballasted</td>
</tr>
<tr>
<td>E-RE-3</td>
<td>Metal External Gutter using QuickSeam Flashing</td>
<td>Adhered, RMA, MAS, BIS</td>
</tr>
<tr>
<td>E-RE-4</td>
<td>Metal External Gutter using QuickSeam Flashing</td>
<td>Ballasted</td>
</tr>
<tr>
<td>E-RE-5</td>
<td>Concrete External Gutter</td>
<td>Adhered, RMA, MAS, BIS</td>
</tr>
<tr>
<td>E-RE-6</td>
<td>Concrete External Gutter</td>
<td>Ballasted</td>
</tr>
<tr>
<td>E-RE-7</td>
<td>Drain Bar</td>
<td>Adhered, Ballasted</td>
</tr>
<tr>
<td>E-RE-8</td>
<td>Internal Gutter</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

EPDM Installation Details

RubberGard® EPDM
Standard Roof Edge using QuickSeam Flashing

No.: E - RE - 1
07/2002

Systems
Adhered, RMA, MAS, BIS

Insulation
QuickPrime Plus
RubberGard EPDM
50 mm (Min.)
Fastener 100 mm o.c. (Max.)
QuickPrime Plus
QuickSeam Flashing 127 mm (5")

Bonding Adhesive
Wood Nailer

RubberGard EPDM

5. Installation Details

EPDM Installation Details

RubberGard® EPDM
Standard Roof Edge using QuickSeam Flashing

No.: E - RE - 2
07/2002

Systems
Ballasted

Insulation
Protection Mat
RubberGard EPDM
50 mm (Min.)
Fastener 100 mm o.c. (Max.)
QuickPrime Plus
QuickSeam Flashing 127 mm (5")

Bonding Adhesive
Wood Nailer

2 Rows Pavers
5. Installation Details

EPDM Installation Details

- **RubberGard® EPDM**
  - Metal External Gutter using QuickSeam Flashing
  - No.: E - RE - 3
  - 07/2002
  - Systems: Adhered, RMA, MAS, BS

- **RubberGard® EPDM**
  - Metal External Gutter using QuickSeam Flashing 127 mm (5")
  - No.: E - RE - 4
  - 07/2002
  - Systems: Ballasted

**Diagram:**
- QuickPrime Plus
- QuickSeam Flashing 127 mm (5")
- Metal Profile
- Metal Gutter
- 50 mm (Min.)
- RubberGard EPDM Insulation
- Protection Mat
- 2 Rows Pavers
5. Installation Details

- **EPDM Installation Details**
  - **RubberGard® EPDM**
  - **Concrete External Gutter**
  - **No.: E - RE - 5**
  - **07/2002**
  - Systems: Adhered, RMA, MAS, BS

- **RubberGard® EPDM**
  - **Concrete External Gutter**
  - **No.: E - RE - 6**
  - **07/2002**
  - Systems: Ballasted

- 152 mm (6”) QuickSeam Splice Tape
- QuickPrime Plus
- Batten Strip fastened 300 mm o.c. with appropriate fasteners
- Termination Bar
- Lap Sealant or sealant by others
- Bonding Adhesive
- RubberGard EPDM
- 2 Rows Pavers
- Protection Mat
- RubberGard EPDM
5. Installation Details

- **EPDM Installation Details**

  **Metal Gutter**
  - **No.:** E - RE - 7
  - **07/2002**
  - **Systems**
    - Adhered, Ballasted

  **Insulation**
  - **RubberGard EPDM**

  **Bonding Adhesive**

- **QuickPrime Plus**

  **Internal Gutter**
  - **No.:** E - RE - 8
  - **07/2002**
  - **Systems**
    - All

  **Protection Mat**
  - when ballast consists of crushed gravel

  **Firestone Drain Bar**

  **Water Block**
  - **Bonding Adhesive**

  **Batten Strip**
  - fastened 300 mm o.c. with appropriate fasteners

  **Lap Sealant**

  **152 mm (6”) QuickSeam Splice Tape**

  **Bonding Adhesive**

  **RubberGard EPDM**

  **Insulation**

  **QuickPrime Plus**
### 5.8 Terminations

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-T-1</td>
<td>Coping Stone Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-2</td>
<td>Metal Coping Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-3</td>
<td>Counterflushing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-4</td>
<td>Termination Bar Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-5</td>
<td>Termination Bar Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-6</td>
<td>Termination Bar at Joint in Precast Concrete Panel</td>
<td>All</td>
</tr>
<tr>
<td>E-T-7</td>
<td>Termination Bar at Wall Expansion Joint</td>
<td>All</td>
</tr>
<tr>
<td>E-T-8</td>
<td>Metal Edge Profile Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-9</td>
<td>Monotrim Profile Flashing Termination</td>
<td>All</td>
</tr>
<tr>
<td>E-T-10</td>
<td>Intermediate Attachment at Wall Flashing</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

**RubberGard® EPDM**

**Coping Stone**
- Flashing Termination

- No.: E - T - 1
- 07/2002
- Systems: All

**Coping Stone**
- Bonding Adhesive
- RubberGard EPDM

---

**Wooden Plank**
- Metal Coping
- Bonding Adhesive
- RubberGard EPDM

---

**RubberGard® EPDM**

- Metal Coping
- Flashing Termination

- No.: E - T - 2
- 07/2002
- Systems: All
5. Installation Details

- EPDM Installation Details
  - Bonding Adhesive
  - RubberGard EPDM High Grade Sealant by others
  - Counterflashing
  - Batten Strip fastened 150 mm o.c. with appropriate fasteners

- Masonry or Concrete Walls
  - Bonding Adhesive
  - RubberGard EPDM

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

- **Counterflashing Termination**
  - **No.: E - T - 3**
  - **07/2002**
  - **Systems**
    - All

---

**Firestone BUILDING PRODUCTS**

**RubberGard® EPDM**

- **Termination Bar Flashing Termination**
  - **No.: E - T - 4**
  - **07/2002**
  - **Systems**
    - All
5. Installation Details

EPDM Installation Details

RubberGard® EPDM Termination Bar Flashing Termination

No.: E - T - 5
07/2002

Systems
All

See Termination Bar Flashing Detail E - T - 4

Firestone Termination Bar

High Grade Sealant

Gap 10 mm 200 mm

RubberGard EPDM

Fasten Termination Bar max. 50 mm from the edge

Stop Termination Bar max. 5 mm from corner

Firestone Termination Bar must be cut at all inside and outside corners
5. Installation Details

**RubberGard® EPDM**

**Termination Bar at Joint in Precast Concrete Panel**

No.: E - T - 6  
07/2002  

Systems: All

- Joint in Precast Concrete Panel (caulking by others)
- Firestone Termination Bar fastened 200 mm o.c. (Max.) with appropriate fasteners
- High Grade Sealant
- 25 mm (Max.)
- RubberGard EPDM

**RubberGard® EPDM**

**Termination Bar at Wall Expansion Joint**

No.: E - T - 7  
07/2002  

Systems: All

- Wall Expansion Joint (caulking by others)
- Firestone Termination Bar fastened 200 mm o.c. (Max.) with appropriate fasteners
- High Grade Sealant
- 25 mm (Max.)
- RubberGard EPDM
- 200 mm (Max.)
- Counterflashing in Reglet Fasten one Side only
5. Installation Details

RubberGard® EPDM

- Metal Edge Profile
- Flashing Termination

No.: E - T - 8

07/2002

Systems: All

Wooden Plank

Bonding Adhesive

RubberGard EPDM

QuickSeam Flashing 127 mm (5”)

QuickPrime Plus

50 mm (Min.)

Stainless Steel Screw

with Rubber Washer

Monotrim Profile

Wooden Plank

Bonding Adhesive

RubberGard EPDM

Systems: All

RubberGard® EPDM

- Monotrim Profile
- Flashing Termination

No.: E - T - 9

07/2002

Systems: All

EPDM Installation Details
5. Installation Details

EPDM Installation Details

Refer to Firestone Installation Specifications for Intermediate Attachment Requirements

RubberGard® EPDM

Intermediate Attachment at Wall Flashing

No.: E - T - 10
Systems: All

QuickPrime Plus
Firestone Batten Strip fastened 300 mm o.c. (Max.) with appropriate fasteners
152 mm (6") QuickSeam Splice Tape
RubberGard EPDM

QuickPrime Plus
Firestone Batten Strip fastened 300 mm o.c. (Max.) with appropriate fasteners
QuickSeam Batten Cover Strip centred over Batten Strip
RubberGard EPDM

QuickPrime Plus
Firestone Batten Strip fastened 300 mm o.c. (Max.) with appropriate fasteners
QuickSeam Batten Cover Strip centred over Batten Strip
RubberGard EPDM
## 5.9 Miscellaneous

<table>
<thead>
<tr>
<th>No.</th>
<th>RubberGard EPDM Detail</th>
<th>Systems</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-M-1</td>
<td>EPDM QuickSeam Walkway Pads</td>
<td>All</td>
</tr>
<tr>
<td>E-M-2</td>
<td>Concrete Paver Walkway</td>
<td>All</td>
</tr>
<tr>
<td>E-M-3</td>
<td>Lightning Rod Attachments</td>
<td>All</td>
</tr>
</tbody>
</table>
5. Installation Details

**EPDM Installation Details**

- **Protection Mat or EPDM Membrane** as protection layer.
- **QuickSeam Splice Tape**
  - 3 rows of 76 mm (3”)
  - or 2 rows of 178 mm (7”)

**Firestone EPDM QuickSeam Walkway Pad**

**RubberGard EPDM**

- **EPDM QuickSeam Walkway Pads**
- **No.: E - M - 1**
- **07/2002**
- **Systems**
  - All

**Concrete Paver Walkway**

- **Protection Mat or EPDM Membrane as protection layer**
- **Concrete Paver**
- **Insulation**
  - 50 mm (Min.)

**RubberGard EPDM**

- **Concrete Paver Walkway**
- **No.: E - M - 2**
- **07/2002**
- **Systems**
  - All

---

**Firestone BUILDING PRODUCTS**
5. Installation Details

RubberGard® EPDM Installation Details

- Lightning Rod Attachments
- No.: E - M - 3
- Systems: All
- 07/2002