CertainTeed Low-Slope Roof Systems

For more information on CertainTeed Commercial Roofing Products, go to www.certainteed.com.

CertainTeed Flintlastic roofing products are intended for use by professional roofing contractors only. It is the responsibility of the installer to follow all appropriate and required safety precautions in conjunction with the installation of any CertainTeed roofing product. Meets or exceeds ASTM D6164 (SA Mid Ply and SA Cap), ASTM D6163 (SA Cap FR) and ASTM D4601 (SA NailBase and PlyBase).

Includes Application Instructions for Ambient Temperatures, 20°F - 49°F

CertainTeed Corporation
ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • GYPSUM • CEILINGS • INSULATION
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Self Adhered SBS-Modified Bitumen Roofing System For Low Slope Roofs

CertainTeed Flintlastic® SA is a premium, self-adhered SBS-modified bitumen roofing system. With high quality materials bottom to top, components of the Flintlastic SA system include:

- **Flintlastic SA NailBase**
  (base/anchor–mechanically attached)
- **Flintlastic SA PlyBase**
  (base or interply, self-adhered)
- **Flintlastic SA MidPly**
  (premium base or interply, self-adhered)
- **Flintlastic SA Cap**
  (self-adhered)
- **Flintlastic SA Cap FR**
  (fire-rated, self-adhered)
- **Flintlastic SA Cap CoolStar**
  (highly reflective, self-adhered)
- **Flintlastic SA Cap FR CoolStar**
  (fire-rated, highly reflective, self-adhered)
- **FlintPrime® Aerosol**
- **FlintPrime SA**
  (quick-dry water-based primer as needed)
- **FlintBond® SBS-Modified Adhesive, Caulk or Trowel Grade**
  (only, for construction details)

**What Are The Advantages?**

Self-adhered roofing offers the time-tested protection of modified bitumen roof systems for a fraction of the labor with no fumes, flame, asphalt kettle or occupant disturbance. The application of self-adhered low-slope roof systems is also easier to master than traditional bituminous application methods.

Flintlastic SA systems are valued for:

- Superior initial and long-term bonds;
- Excellent applicator handleability in hot or cold temperatures;
- Allowed application temperatures as low as 20°F (-6°C); wide array of cap sheet colors true-blended to complement popular CertainTeed shingles;
- National stocking at all CertainTeed facilities with mix-truck allowance (shingles/Flintlastic SA);
- Excellent sales and applicator support.

Where can I use it?

The value associated with labor savings and safety can be applied to any roof project. In addition, Flintlastic SA roof systems are ideal when access to the roof is limited, such as high-rise buildings. And no asphalt kettle means no odor, which makes SA systems an ideal solution on healthcare, education, hospitality and residences/condos where occupant comfort is tremendously desirable.
Caulk gun for applying beads of FlintBond; suitable trowel for applying FlintBond to needed to complete a roof installation, but just as Every professional roofer is familiar with the tools Important Application Considerations
• Caulk gun for applying beads of FlintBond; • Suitable trowel for applying FlintBond to flashing details; • Roofer’s knife with hooked blade; • Caulk gun for applying beads of FlintBond; • Seam probing tool to check for voids;

NOTE: Gold Star contractors have the option to offer their customers a 25% warranty duration extension with the CertainTeed Integrity Maintenance Coverage program. *Refer to CertainTeed Commercial Systems Specifications.

System Warranties At A Glance

<table>
<thead>
<tr>
<th>Warranty Duration</th>
<th>Warranty Fee</th>
<th>Insulation/Coverboard</th>
<th>Base</th>
<th>Interply</th>
<th>Cap</th>
<th>Re-Cover</th>
<th>Spec*</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 years</td>
<td>$7.50/SQ</td>
<td>Optional</td>
<td>SA PlyBase</td>
<td>SA PlyBase</td>
<td>SA Cap</td>
<td>Prior approval by CertainTeed Technical Department</td>
<td>SA–C–2–S</td>
</tr>
<tr>
<td>20 years</td>
<td>$12.50/SQ</td>
<td>Double layer, 2nd layer adhered</td>
<td>SA PlyBase</td>
<td>SA PlyBase</td>
<td>SA Cap</td>
<td>Prior approval by CertainTeed Technical Department</td>
<td>SA–C–2–S</td>
</tr>
<tr>
<td>25 years</td>
<td>$18.00/SQ</td>
<td>Single layer, minimum 15&quot;</td>
<td>SA PlyBase</td>
<td>SA PlyBase</td>
<td>SA Cap</td>
<td>Prior approval by CertainTeed Technical Department</td>
<td>SA–C–2–S</td>
</tr>
</tbody>
</table>

NOTE: Cold Star contractors have the option to offer their customers a 25% warranty duration extension with the CertainTeed Integrity Maintenance Coverage program. *Refer to CertainTeed Commercial Systems Specifications.

Important Application Considerations
Every professional roofer is familiar with the tools needed to complete a roof installation, but just as a recap, specific tools you’ll need to install Flintlastic SA include:
- A weighted roller for pressing the membrane into place, 2’ to 4’ in diameter (70 lbs.);
- Suitable trowel for applying FlintBond to flashing details;
- Roofer’s knife with hooked blade;
- Caulk gun for applying beads of FlintBond;
- Seam probing tool to check for voids;

COLD WEATHER APPLICATION:
• Store materials in a heated location and draw materials as needed. If the materials have been exposed to cold temperatures, allow a sufficient period of time in a heated environment for them to warm to 50°F. DO NOT INSTALL COLD ROLLS.
• A hot air welder, in combination with a hand-held silicone roller, should be utilized to heat and seal sidleaps, endlaps and details. Specific “heat and roll” instructions are included within subsections of this Chapter. DO NOT OVERHEAT or attempt to weld laps with a torch.

Application Of Base Sheet
Flintlastic SA NailBase may be used as an anchor sheet (mechanically fastened); PlyBase or MidPly may be used as a base ply (fully adhered, water-tight). NOTE: PlyBase or MidPly may also be used as interply layers in three-ply systems, see Application of Interply (Optional).

Mechanically Attached Base
Beginning at the low point of the roof, mechanically fasten Flintlastic SA NailBase to nailable deck using appropriate fasteners (see Fasteners chart). Start with an appropriate roll width (see Field Details Reference) to accommodate offsetting of sidleaps of subsequent layers in the roof system for increased water protection. Install so that no sidleaps are against the flow of water. A minimum fastening pattern is every 9" on center on sidleaps and every 18" on center in staggered rows in the field of the sheet. Overlap base sheet sidleaps a minimum 2’ and endlaps 4’.

<table>
<thead>
<tr>
<th>Field Details Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-FLY SYSTEMS</td>
</tr>
<tr>
<td>Base</td>
</tr>
<tr>
<td>11-1/16&quot; (1/2 roll)</td>
</tr>
<tr>
<td>19-11/16&quot; (1/2 roll)</td>
</tr>
<tr>
<td>26-1/4&quot; (1/2 roll)</td>
</tr>
<tr>
<td>39-3/8&quot; (full roll)</td>
</tr>
</tbody>
</table>

Flintlastic SA NailBase, MidPly and ply overlaps are improperly stored or have been warehoused in cold weather for more than one day. If blue film must be exposed for longer periods of time, cover with tarp or suitable alternate protection.
• Do not mix Flintlastic SA membranes with other types of roof membranes. Flintlastic SA membranes are specifically designed to be applied together. The permanent top film of the base and ply sheets cannot receive torching, hot asphalt or other non self-adhered application methods. The Flintlastic SA Cap (or SA Cap FR), PlyBase and MidPly cannot be applied to any surfaces other than as described herein.
• When applying Flintlastic SA on slopes exceeding 1" in 12", membranes shall be back nailed. When applied parallel to the slope, Flintlastic SA shall be blind-nailed at end laps 2’ in from top edge, 6” o.c. through tin discs and to wood nailers. See General Requirements Section of CertainTeed Commercial Roof Systems Specifications for details.
• When using FlintBond for flashing details, target 1/4” FlintBond bleed out at endlap areas. Use caution not to roll weighted roller into bleed out."
• Do not use cold adhesives, such as FlintBond, with Flintlastic SA membranes other than for flashing details and cap sheet overlaps as described herein.
• Additional application details and recommendations can be found in the CertainTeed Commercial Roof Systems Specifications.
Turn base sheet over facia by 2" and fasten. Offset endlaps of adjacent courses a minimum of 3". **Do Not Leave Base Sheet Exposed To The Weather.** Cover in the same day with optional SA interply and/or SA Cap (FR).

**Self-Adhered Base**

SA PlyBase or SA MidPly may be self-adhered to approved substrates such as mechanically fastened or adhered FlintBond ISO/FlintBond ISO Cold, or primed substrates (i.e. concrete roof decks, gypsum coverboards, etc.).

When using FlintPrime SA, allow to dry thoroughly, but no more than four hours to retain tack-enhancing properties. If substrate (i.e. FlintBond ISO) is attached with fasteners, prime exposed metal with FlintPrime Aerosol before adhering either SA PlyBase or SA MidPly. Before adhering a base ply, sweep the surface of the deck or insulation to remove any debris that could interfere with adhesion.

Begin application at the low point of the roof. Start with an appropriate roll width (see Field Details Reference) to accommodate offsetting of sidelaps of subsequent layers in the roof system for increased water protection. Install flush to roof edge. Design layout so that no sidelaps are against the flow of water.

Cut rolls to manageable lengths and allow to relax a minimum of 15 minutes. Fold the membrane back halfway lengthwise to remove the split release film. Press membrane securely into place and repeat with the opposite half of the membrane. Use a heavy, weighted roller over the entire surface of the SA PlyBase or SA MidPly to secure the membrane. Work from the center of the roll outwards across the width to eliminate air pockets; **DO NOT** roll lengthwise as it can cause the roll to stretch.

Overlap sidelaps of subsequent SA PlyBase or SA MidPly membrane courses a minimum 2" and endlaps 4". Offset (stagger) endlaps of adjacent courses a minimum 3".

Cut endlaps at opposing diagonal corners at an angle approximately 5-1/2" long by the salvage dimension from the corners to minimize "T"-seams. Apply a bead or small trowel dab (quarter size) of FlintBond SBS Modified Butyrene Adhesive, Caulk or Trowel grade, at the edge of the angled cut to avoid a capillary. Use of a hand-held hot air gun at the joint area prior to rolling the membrane will maximize adhesion. It is recommended to apply a bead of FlintBond SBS Modified Butyrene Adhesive, Caulk or Trowel grade, at all SA PlyBase or SA MidPly side and endlaps edges to eliminate a capillary. **Do Not Leave Base Sheet Exposed To The Weather.** Cover in the same day with optional SA interply and/or SA Cap (FR).

**Cold Weather Application Instructions, Base Sheet**

When ambient temperatures are between 20°F - 49°F;

- Whether base sheet is mechanically attached or self-adhered, store materials in a heated location and draw materials as needed. If the materials have been exposed to cold temperatures, allow a sufficient period of time in a heated environment for them to warm to 50°F. **DO NOT INSTALL COLD ROLLS.**
- No additional cold weather application precautions are required for base sheets.

**Application Of Interply (Optional)**

**Note:** Proceed to “Before Installing Flintlastic SA Cap (or SA Cap FR)” if installing a 2-ply system. Before installing Flintlastic SA PlyBase or SA MidPly sweep the underlying anchor sheet or base ply to remove any debris that could interfere with adhesion. Cut rolls to manageable lengths and allow to relax for a minimum of 15 minutes. Start with SA PlyBase or SA MidPly at the low point of the roof with appropriate roll width to offset sidelaps 18" from sidelaps of underlying anchor sheet or base ply (see Field Details chart) all flush to roof edge. Design layout so that no sidelaps are against the flow of water.

Fold the membrane back halfway lengthwise to remove the split release film. Press membrane securely into place and repeat with the opposite half of the membrane. Use a heavy, weighted roller over the entire surface of the SA PlyBase or SA MidPly to secure the membrane. Work from the center of the roll outwards across the width to eliminate air pockets; **DO NOT** roll lengthwise as it can cause the roll to stretch.

Overlap sidelaps of subsequent SA PlyBase or SA MidPly membrane courses a minimum 2" and endlaps 4". Offset (stagger) endlaps of adjacent courses a minimum 3".

Cut endlaps at opposing diagonal corners at an angle approximately 5-1/2" long by the salvage dimension from the corners to minimize potential water incursion at T-Seams (see T-Seam Detail). Apply a bead or small trowel dab (quarter size) of FlintBond SBS Modified Butyrene Adhesive, Caulk or Trowel grade, at the edge of the angled cut to avoid a capillary. Use of a hand-held hot air gun at the joint area prior to rolling the membrane will maximize adhesion. It is recommended to apply a bead of FlintBond SBS Modified Butyrene Adhesive, Caulk or Trowel grade, at all SA PlyBase or SA MidPly side and endlaps edges to eliminate a capillary. **Do Not Leave Base Sheet Exposed To The Weather.** Cover in the same day with SA Cap (FR).

**Cold Weather Application Instructions, Interply Sheet**

When ambient temperatures are between 20°F - 49°F;

- Store materials in a heated location and draw materials as needed. If the materials have been exposed to cold temperatures, allow a sufficient period of time in a heated environment for them to warm to 50°F. **DO NOT INSTALL COLD ROLLS.**
- No additional cold weather application precautions are required for interply sheets.

Before Installing Flintlastic SA Cap Or SA Cap FR

If roof edge detail utilizes edge metal, proceed as follows.

**Edge Metal for Two-Ply Systems (with no interply)**

If an interply is not installed, install a 9" wide flashing strip of SA PlyBase or SA MidPly (material assumed to match base sheet if fully adhered) onto the field of the roof with the edge self-adhered. Install minimum 26 gauge edge metal using appropriate fasteners, set entirely in a uniform 1/8" - 1/4" thick troweling of FlintBond Trowel. Fasten edge metal through the surface, through the anchor and flashing strip, into the deck using appropriate fasteners (see Fastener Reference), spaced 4" on center in two staggered rows. Remove any oil from the metal surface using a vinegar and water solution. Prime the horizontal surface of the metal with FlintPrime Aerosol and allow primer to dry/tackify. Apply a bead of caulking grade FlintBond at the roof side edge of the metal where it meets the flashing strip.

**Edge Metal for Three-Ply Systems (with interply)**

If an interply has been installed over the base sheet, install minimum 26 gauge edge metal using appropriate fasteners and set in 1/8" - 1/4" bed of FlintBond Trowel adhesive. Fasten edge metal through the metal surface, through the base/interply and into the deck using appropriate fasteners (see Fastener Reference), spaced 4" on center in two staggered rows. Remove any oil from the metal surface using a vinegar and water solution. Prime the horizontal surface of the metal with FlintPrime Aerosol and allow to dry/tackify. Apply a bead of caulking grade FlintBond to the edge of the metal where it meets the SA PlyBase or SA MidPly. Proceed to installing SA Cap or SA Cap FR.
Follow the same layout and split release film procedures as for SA Ply/Base or SA MidPly, but overlap sidelaps 3" and endlaps 6". Install in weather-lapped fashion, with no laps against the flow of water. Use a weighted roller over the entire surface of Flintlastic SA Cap or SA Cap FR to secure it in place and prevent voids, from the center of the roll outwards across the width to eliminate air pockets. **DO NOT** roll lengthwise as it can cause the roll to stretch.

As subsequent membrane lengths are installed, remove the selvage edge release strip just prior to overlapping to keep the adhesive area protected and clean.

Cut endlaps at opposing diagonal corners at an angle approx. 3° by 5-1/2" from the corners to minimize water incursion at T-seams (see T-Seam Detail below). Treat rake edge application similarly, cutting diagonal corners off Cap selvage edge above rake metal.

One of the following options must be followed for any granule over granule overlap, such as an endlap:

1. Apply a uniform 1/8" - 1/4" troweling of FlintBond Trowel to the entire 6" width of the underlying sheet, extending beyond underlying lap 1/4" or;
2. Apply heat from a hot-air welder with a 2" tip to the overlapped sheet while applying rolling pressure from a silicone roller to the overlapped sheet. With the hot air welder set between 900°F-1,100°F (setting 8-10), apply heat to the overlapped granulated surface while bonding the overlapping SA Cap or SA Cap FR with rolling pressure. Roll the overlapping SA Cap in place, moving the hot air welder to allow for forward progress. Avoid applying so much heat or moving at a pace that results in smoke. Apply a bead of FlintBond Caulk along the edge.

**WHEN AMBIENT TEMPERATURES ARE BETWEEN 20°F - 49°F THE HOT-AIR WELDER METHOD MUST BE APPLIED.**

Once the membrane has had a chance to bond, check all laps and joints for full adhesion. If the membrane can be lifted at any area it is not properly adhered. A seam probing tool can be helpful to check for voids at laps. If necessary, use appropriate hand-held hot air welding tool and seam roller or an application of FlintBond to seal unbonded areas if they exist.

**Cold Weather Application Instructions, Cap Sheet**

When ambient temperatures are between 20°F - 49°F:

- Store materials in a heated location and draw materials as needed. If the materials have been exposed to cold temperatures, allow a sufficient period of time in a heated environment for them to warm to 50°F.

**DO NOT INSTALL COLD ROLLS.**

- For edge metal details apply heat from a hot-air welder with a 2" tip to the overlapped, primed metal surface while applying rolling pressure from a silicone roller to the overlapping SA Cap. With the hot air welder set between 300°F - 500°F (setting 2-3), apply heat to the lap interface while bonding SA Cap with rolling pressure on the granulated surface. Roll the lap in place, moving the hot air welder to allow for forward progress. Avoid applying so much heat or moving at a pace that results in smoke. Apply a bead of FlintBond Caulk along the edge.

- Apply the same "heat and roll" technique as described above at all sidelines. Apply a bead of FlintBond Caulk along the edge.

- Apply a similar "heat and roll" to endlaps with the hot air welder set between 900°F-1,100°F (setting 8-10). A 6" endlap requires three passes. Apply a bead of FlintBond Caulk along the edge.

- For more information on cold weather application, please watch: https://www.certainteed.com/commercial-roofing/resources/installing-flintlastic-sa-self-adhered-roof-systems-cold-temperatures/

**Construction Details**

Included in this manual are a few common construction details. Please refer to CertainTeed Commercial System Specifications or certainteed.com for complete details, or the NRCA for details not found within this manual. Important to note with all details, all metal must be primed and set in FlintBond Trowel adhesive and all overlaps over mineral surfacing must utilize either FlintBond Trowel or the combination of a hot-air welder and silicone roller (cold weather requirement).
Typical Construction Details – Flintlastic® SA 2 Ply Systems

CT-01A Edge Flashing

1. Wood Nailer (Optional, Insulation Dependent)
2. FlintBoard® ISO/Coverboard Assembly (Optional, Warranty Dependent)
3. Flintlastic® SA PlyBase or MidPly Flashing Collar
4. Cleat, Mechanically Attached
5. Minimum 26 Gauge Edge Metal, Set in FlintBond® Trowel and Mechanically Attached, Surfaced Primed – FlintPrime® Aerosol

Minimum 4”–6” Between Nails

6. Flintlastic SA PlyBase or MidPly Flashing Collar
7. Flintlastic SA Cap (FR)

1. FlintBoard® ISO/Coverboard Assembly (Optional, Warranty Dependent)
2. Flintlastic SA PlyBase or MidPly, Field
3. Flintlastic SA Cap (FR), Field
4. Flintlastic SA PlyBase or MidPly, Base Flashing
5. Flintlastic SA Cap (FR), Base Flashing

Base Flashing Height 8”–12”

Cant Strip

4. Flintlastic SA PlyBase or MidPly, Base Flashing
5. Flintlastic SA Cap (FR), Base Flashing
6. Flintlastic SA Cap (FR), Wall Covering (only when wall height exceeds 24”)

Finished Detail

Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts
Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts

CT-06 Base Flashing and Wall Covering on Parapet Wall

CT-09 Base Flashing on Parapet Wall, Inside Corner

7. Flintlastic SA PlyBase or MidPly Weatherproofing Strip – 2” over Wall Both Sides
8. Cleat
9. Coping

Represents Varying Wall Height

Typical Construction Details – Flintlastic® SA 2 Ply Systems

CT-09 Base Flashing on Parapet Wall, Inside Corner

8. Cleat
9. Coping

Finished Detail

Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts
Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts

CT-10 Base Flashing on Parapet Wall, Outside Corner

Cant Strip

Finished Detail
**Typical Construction Details – Flintlastic® SA 2 Ply Systems**

### CT-22 End Lap Detail

1. Trim Corners

Void is shown without mastic to illustrate the cut; apply FlintBond Caulk or Trowel Grade to all trimmed corner voids.

2. Set in Cold-Adhesive (Cold Process). Apply Min. 1/8" FlintBond Trowel or Heat Weld with FlintBond Caulk at Edge

### CT-13 Pipe Flashing — Lead or Sheet Metal

1. FlintBoard® ISO/Coverboard Assembly (Optional, Warranty Dependent)

2. Flintlastic SA PlyBase or MidPly, Field

3. Lead or Sheet Metal Sleeve Set in FlintBond®, Surface Primed – FlintPrime® Aerosol

4. Flintlastic® SA PlyBase or MidPly Flashing Collar

5. Flintlastic® SA Cap (FR)

6. FlintBond Caulk

### CT-11 Through-Wall Scupper Flashing

1. FlintBoard® ISO/Coverboard Assembly (Optional, Warranty Dependent)

2. Flintlastic SA PlyBase or MidPly, Field

3. Scupper Flange, Set in FlintBond® Trowel and Mechanically Attached to Wall, 3" O.C.

4. Scupper Flange

5. Flintlastic® SA Cap (FR), Field

6. Drain Clamping Ring

Termination of Membrane Flashing will vary

Prime Concrete Deck/Wall or Gypsum Coverboard if Base Layer is Fully Adhered

6" Minimum Between Metal Flange and Edge of Base Layer

Cant Strip

1. FlintBoard® ISO/Coverboard Assembly (Optional, Warranty Dependent)

2. Flintlastic SA PlyBase or MidPly, Field

3. Flintlastic® SA Cap (FR)

4. Flintlastic SA PlyBase or MidPly Flashing Collar

5. Flintlastic® SA Cap (FR)

6. Drain Clamping Ring
Typical Construction Details – Flintlastic® SA 3 Ply Systems

CT-01 Edge Flashing

1. Flintlastic SA NailBase
2. Flintlastic SA PlyBase or MidPly
3. Minimum 26 Gauge Edge Metal, Set in FlintBond® Trowel and Mechanically Attached, Surfaced Primed – FlintPrime® Aerosol
Minimum 4”–6” Between Nails

4. Flintlastic® SA Cap (FR)

CT-06 Base Flashing and Wall Covering on Wood Parapet Wall

5. Flintlastic SA Cap (FR), Base Flashing
6. Flintlastic SA Cap (FR), Ply/PlyBase or MidPly Weatherproofing Strip – 2” over Wall Both Sides
8. Cleat

7. Flintlastic® SA PlyBase or MidPly Weatherproofing Strip – 2” over Wall Both Sides

9. Coping

Represents Varying Wall Height

CT-09 Base Flashing on Parapet Wall, Inside Corner

Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts
Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts

CT-10 Base Flashing on Parapet Wall, Outside Corner

Finished Detail

Base Flashing Height 8”–12”

7. Flintlastic® SA PlyBase or MidPly Weatherproofing Strip – 2” over Wall Both Sides

Base Sheet Base Flashing, Corner Cuts

Finished Detail

6. Flintlastic SA Cap (FR), Wall Covering (only when wall height exceeds 24”)

8. Cleat

5. Flintlastic SA Cap (FR), Base Flashing

Cant Strip

1. Flintlastic SA NailBase

4. Flintlastic SA Ply/PlyBase or MidPly, Base Flashing

2. Flintlastic SA PlyBase or MidPly

3. Flintlastic SA NailBase

1. Flintlastic SA NailBase

4. Flintlastic® SA Cap (FR)

CT-09 Base Flashing on Parapet Wall, Inside Corner

Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts
Field Membrane, Corner Cuts
Base Sheet Base Flashing, Corner Cuts
Cap Sheet Base Flashing, Corner Cuts

CT-10 Base Flashing on Parapet Wall, Outside Corner

Finished Detail

Base Flashing Height 8”–12”

7. Flintlastic® SA PlyBase or MidPly Weatherproofing Strip – 2” over Wall Both Sides

Base Sheet Base Flashing, Corner Cuts

Finished Detail

6. Flintlastic SA Cap (FR), Wall Covering (only when wall height exceeds 24”)

8. Cleat

5. Flintlastic SA Cap (FR), Base Flashing

Cant Strip

1. Flintlastic SA NailBase

4. Flintlastic SA Ply/PlyBase or MidPly, Base Flashing

2. Flintlastic SA PlyBase or MidPly

3. Flintlastic SA NailBase

1. Flintlastic SA NailBase

4. Flintlastic® SA Cap (FR)
**Typical Construction Details – Flintlastic® SA 3 Ply Systems**

**CT-13 Pipe Flashing — Lead or Sheet Metal**

1. **Flintlastic® SA NailBase**
2. **Lead or Sheet Metal** Sleeve Set in **FlintBond®**, Surface Primed – **FlintPrime® Aerosol**
3. **Flintlastic® SA PlyBase or MidPly**
4. **Flintlastic® SA Cap (FR)**
5. **FlintBond Caulk**

**Termination of Membrane Flashing will vary**

**Prime Deck/Wall or Gypsum Coverboard if Base Layer is Fully Adhered**

**4" Minimum Between Metal Flange and Edge of Base Layer**

**Cant Strip**

**CT-11 Through-Wall Scupper Flashing**

1. **1. Tapered FlintBoard® ISO/Coverboard Assembly to Drain**
2. **2. Flintlastic SA PlyBase or MidPly**
3. **3. Lead or Copper Flashing Set in FlintBond® Trowel, FlintPrime® Aerosol Surface**
4. **4. Scupper Flange, Set in FlintBond® Trowel and Mechanically Attached to Wall, 3" o.c.**
5. **5. Flintlastic® SA Cap (FR)**
6. **5. Flintlastic® SA Cap (FR), Base Flashing**

**CT-12 Drain Flashing**

1. **1. Tapered FlintBoard® ISO/Coverboard Assembly to Drain**
2. **2. Flintlastic SA PlyBase or MidPly**
3. **3. Lead or Copper Flashing Set in FlintBond® Trowel, FlintPrime® Aerosol Surface**
4. **4. Flintlastic SA PlyBase or MidPly Flashing Collar**
5. **5. Flintlastic® SA Cap (FR)**
6. **6. Drain Clamping Ring**
## 2 Ply System Specifications

**Specification: SA-N-2-S**
- Flintlastic® SA NailBase, nailed.
- Flintlastic SA Cap (FR), self-adhered.
- For use over nailable decks.

**Specification: SA-C-2-S**
- Flintlastic SA NailBase, nailed.
- Flintlastic SA PlyBase or MidPly, self-adhered.
- Flintlastic SA Cap (FR), self-adhered.
- For use over non-nailable decks or approved insulation.

## 3 Ply System Specifications

**Specification: SA-N-3-S**
- Flintlastic® SA NailBase, nailed.
- Flintlastic SA PlyBase or MidPly, self-adhered.
- Flintlastic SA Cap (FR), self-adhered.
- For use over nailable decks.

**Specification: SA-C-3-S**
- Flintlastic SA PlyBase or MidPly, self-adhered as base ply.
- Flintlastic SA Cap (FR), self-adhered.
- For use over non-nailable decks or approved insulation.

See Constructions Details in this manual or full Details in the Commercial Roof System Specification manual.

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### Flintlastic® SA Cap Colors

Flintlastic SA Cap is available in a variety of “true-blend” colors to complement popular CertainTeed shingles.

<table>
<thead>
<tr>
<th>Color</th>
<th>Roll Dimensions</th>
<th>Thickness</th>
<th>Weight</th>
<th>Coverage</th>
<th>Top Surface</th>
<th>Reinforcement</th>
<th>Tensile (lb/in) (at peak load)</th>
<th>Elongation (%) (at peak load)</th>
<th>Packaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buff</td>
<td>64'6” x 39-3/8”</td>
<td>1.5 mm</td>
<td>82 lbs</td>
<td>2 Squares</td>
<td>Permanent Film</td>
<td>Fiberglass Mat</td>
<td>65/40 (MD/CD)</td>
<td>6/5 (MD/CD)</td>
<td>Palletized, Bands, 20 Rolls Per Pallet</td>
</tr>
<tr>
<td>Burnt Sienna</td>
<td>64'6” x 39-3/8”</td>
<td>1.5 mm</td>
<td>86 lbs</td>
<td>2 Squares</td>
<td>Permanent Film</td>
<td>Fiberglass Mat</td>
<td>65/40 (MD/CD)</td>
<td>6/5 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
</tr>
<tr>
<td>Colonial Slate</td>
<td>32'1” x 39-3/8”</td>
<td>2.8 mm</td>
<td>65 lbs</td>
<td>1 Square</td>
<td>Permanent Film</td>
<td>Fiberglass Mat</td>
<td>75/50 (MD/CD)</td>
<td>5/5 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
</tr>
<tr>
<td>Heather Blend</td>
<td>32'11” x 39-3/8”</td>
<td>4.0 mm</td>
<td>95 lbs</td>
<td>1 Square</td>
<td>Permanent Film</td>
<td>Fiberglass Mat</td>
<td>85/7 (MD/CD)</td>
<td>6/5 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
</tr>
<tr>
<td>CoolStar</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Non-Woven Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Heather Blend</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Resawn Shake</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Terra Cotta</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Weathered Wood</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Resawn Shake</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Terra Cotta</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Weathered Wood</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
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<td>White</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
<tr>
<td>Resawn Shake</td>
<td>32'11” x 39-3/8”</td>
<td>3.2 mm</td>
<td>88 lbs</td>
<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
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<td></td>
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<td>Terra Cotta</td>
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<td>1 Square</td>
<td>Mineral</td>
<td>Heavy Duty Polyester Mat</td>
<td>64/78 (MD/CD)</td>
<td>Individual Cartons, 20 Rolls Per Pallet</td>
<td></td>
</tr>
</tbody>
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