

CertainTeed


# ***FLINTLASTIC<sup>®</sup> SA***

Self-Adhering SBS Modified Bitumen Roof System for Low Slope Roofs



**CertainTeed** 

Quality made certain. Satisfaction guaranteed.<sup>™</sup>



After more than a century of making roofing materials that really last, CertainTeed stands strong.

In fact, we're rated #1 with America's building and remodeling professionals.

So whether you have a residential or commercial project, you can turn to CertainTeed with confidence. We've been around a long time, and our expertise goes into giving you better products.

We manufacture complete systems and protect you with strong warranties. We use the highest quality materials, and that makes for better roofs — not to mention lower life-cycle costs.

It's all a part of our promise to you.

***Quality made certain. Satisfaction guaranteed.™***

**Goes down fast. Stays on strong.  
Flintlastic® SA performs in all the right ways.**

What's more important to you? Speed of installation, durability or appearance? The Flintlastic SA (self-adhering) SBS modified bitumen low slope roofing system is a premium performer in all these areas.

**What is the SA system?**

With high-quality materials bottom to top, components of the Flintlastic SA system include:

Flintlastic® SA NailBase (mechanically attached)  
Flintlastic® SA PlyBase (self-adhering)  
Flintlastic® SA Mid Ply (self-adhering)  
Flintlastic® SA Cap (self-adhering)  
Flintlastic® SA Cap FR (fire-rated, self-adhering)  
FlintFlash™ SA (self-adhering flashing)

**What are the advantages?**

No torches, no hot asphalt, no fumes and no mess — all of which means application is much cleaner and faster. Plus, equipment needs are minimal. These advantages are even more amazing considering the long system life you can expect.

**Where can I use it?**

These products are flexible: They work well on both commercial and residential roofs in three-ply or two-ply applications, depending on the roof's requirements. Large jobs or small, Flintlastic SA can be used anywhere you want a low slope roof that will last.

**What about colors?**

Now you can color coordinate a low slope roof to an adjacent shingle roof. Flintlastic SA is available in colors to complement the most popular CertainTeed shingles. Please refer to the CertainTeed Commercial Roof Systems Manual for product data sheets and complete specification details. Product application must comply with CertainTeed installation instructions.

**The Flintlastic SA Family of Products**

FlintFlash SA flashing rolls are pre-cut rolls of Mid Ply (1/4-roll width), designed to make quick work of flashing details.

FlintPrime™ SA is a premium, specially engineered, water-based, solvent-free primer for wood, metal or concrete. It is designed to enhance the adhesion of self-adhesive roofing membranes. Available in 1-gallon cans and 3.5-gallon buckets.

FlintBond™ SBS Modified Bitumen Adhesive is a premium grade adhesive, available in trowel, brush and caulk grade.

With Flintlastic SA membranes, the trowel and caulk grade are used for endlap, sidelap bead and vertical flashing details. Available in 3.5-gallon buckets, 5-gallon pails and 10.3-oz caulk tubes.

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:

- Heavy, weighted roller for pressing the membrane into place.
- Suitable trowel for applying adhesive to flashing details.
- Roofer's knife with hooked blade.
- Long-handled (standing) roller with 1/8"-1/4" nap for applying primer (1/8" nap for smooth surfaces, 1/4" nap for more porous surfaces).
- Caulk gun for applying beads of FlintBond adhesive.
- Hand-held hot air welding gun such as the Leister Triac™ (110 volt power required) or Primus Sievert PNS-4™ Hot Air Kit.
- Seam probing tool to check for small voids.



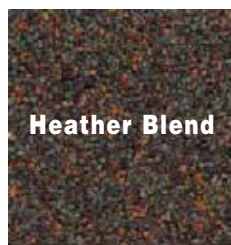
**Burnt Sienna**



**Colonial Slate**



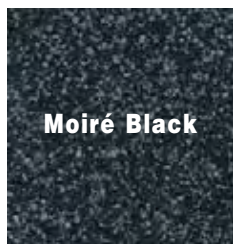
**Driftwood**



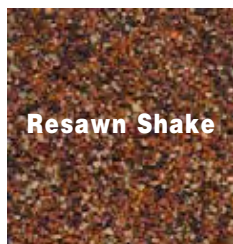
**Heather Blend**



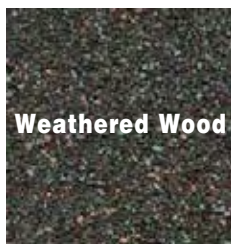
**Hunter Green**



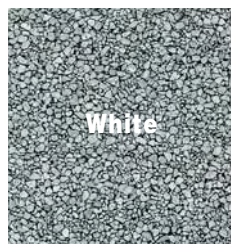
**Moiré Black**



**Resawn Shake**



**Weathered Wood**



**White**



**CoolStar™**

## Important Application Considerations

- Do not attempt application if ice, snow, moisture or dew are present. Bonding substrates must be clean, dry and free of dust or other inhibitors of proper adhesion. Ambient temperature must be 50°F or above.
- Store Flintlastic SA rolls indoors on pallets, protected from the elements. Rolls that are improperly stored or have been warehoused for prolonged periods of time may lose their tack.
- Do not apply membrane that has been improperly stored, exposed to moisture, or has lost its tack. If the material isn't bonding, STOP the application!
- Always remember to put safety first and follow all OSHA safety guidelines with any roofing installation.
- Substrates must be free of dust, dirt, oil, debris and moisture.
- Primer, if used, must be applied at the specified rate and must be allowed to thoroughly dry.
- Work with manageable lengths of Mid Ply and Cap for the particular job. Where appropriate, cut rolls into 1/3- or 1/2-roll lengths and allow material to relax prior to installation.
- In cooler weather, a hand-held hot air welding gun can be used to warm the sidelap areas and improve adhesion (prior to application of the FlintBond SBS Modified Bitumen Adhesive).
- Use caution with the weighted roller at endlap areas. Don't squeeze out too much adhesive.
- When applying Mid Ply (or PlyBase) directly to substrate, design adequate roof ventilation into the system through the use of roof relief vents.
- 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 Mid Ply, PlyBase and NailBase cannot receive torching, hot asphalt or other non self-adhering application methods. The Flintlastic SA Cap (or SA Cap FR), PlyBase and Mid Ply cannot be applied to any surfaces other than as described herein.
- Do not use cold adhesives with Flintlastic SA membranes other than for flashing details and cap sheet overlaps as described herein.
- Refer to the CertainTeed Commercial Roof Systems Manual for complete requirements.

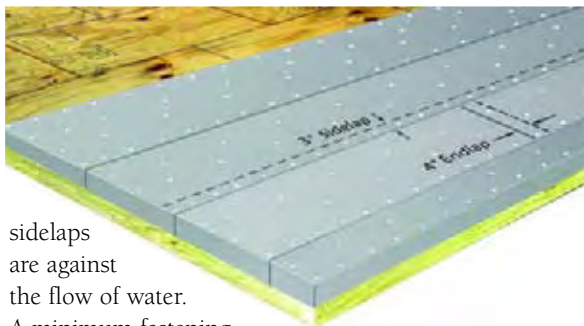
## Deck Preparation

CertainTeed recommends the use of Flintlastic SA NailBase base sheet in conjunction with all self-adhering membrane roof installations. Flintlastic SA NailBase can be mechanically attached to nailable substrates or


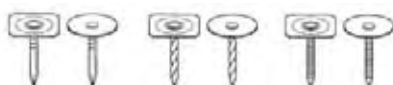



applied using hot asphalt (non-nailable substrates). For non-nailable substrates where use of hot asphalt to adhere the base sheet may not be appropriate, Flintlastic SA Mid Ply or Flintlastic SA PlyBase may be used in lieu of Flintlastic SA NailBase on surfaces properly primed with FlintPrime™ SA. However, note that without the use of a base sheet, the membrane may be difficult to later remove (if necessary) and certain UL and FM listings for the products may not apply. Prior to application of Flintlastic SA products, ensure roofs have adequate slope and drainage. Consult the local building official for minimum slope and drainage requirements.

## Application of Flintlastic SA NailBase

Beginning at the low point of the roof, mechanically fasten Flintlastic SA NailBase to nailable deck using appropriate fasteners (see fasteners chart below). Start with an appropriate roll width (1/3 or 1/2 roll) to accommodate offsetting of sidelaps of subsequent layers of Mid Ply and/or Cap sheet. Install so that no



sidelaps are against the flow of water. A minimum fastening pattern is every 9" on center on sidelaps and every 18" on center in two staggered rows in the field of the sheet.

|  |
|--|
| <b>Standard (Round Head) Roofing Nails</b><br>For use with Base Sheet, Flash/Termination Bar on Plywood Decks, Non Veneer Decks, Wood Plank Decks  |
| <b>Large Head Roofing Nails</b><br>For use with Base Sheet, Flash/Termination Bar on Plywood Decks, Non Veneer Decks, Wood Plank Decks             |
| <b>Pneumatically Driven Staple and Tape or Cap</b><br>For use with Base Sheet on Plywood Decks, Non Veneer Decks, Wood Plank Decks                 |
| <b>Base Sheet Fasteners for some Cementitious Roof Decks</b><br>For use with Base Sheet on Light Weight Insulation Concrete, Poured Gypsum         |
| <b>Self-Locking Fasteners</b><br>For use with Base Sheet on Cement/Wood Fiber    |

Prime non-nailable substrates such as concrete using FlintPrime SA water-based primer. Allow to dry thoroughly, but not more than 4 hours to retain tack-enhancing properties. Apply SA NailBase using ASTM Type III or IV hot asphalt\* at the rate of 25 lbs. per 100ft<sup>2</sup>, or self-adhere SA PlyBase (or Mid Ply).



Overlap base sheet sidelaps 3" and endlaps 4". Offset endlaps a minimum of 3'. Turn base sheet over fascia and fasten. Do not leave installed base exposed. Cover in the same day with Flintlastic SA Mid Ply and/or Flintlastic SA Cap (or SA Cap FR).

### Application of Flintlastic SA Mid Ply or PlyBase

*Note: Proceed to "Before Installing Flintlastic SA Cap (or SA Cap FR)" if installing a 2-ply system.*

Before installing Flintlastic SA Mid Ply (or PlyBase), sweep the underlying base sheet or primed surface to remove any dust, dirt or sand particles that could interfere with adhesion.

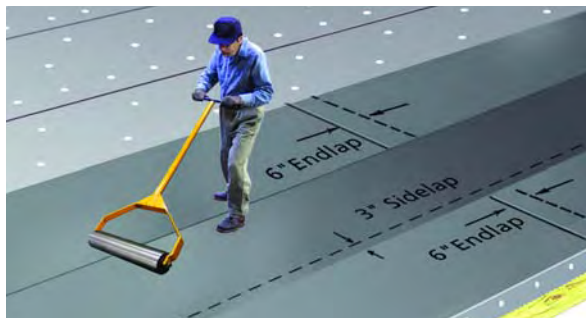
Apply Mid Ply (or PlyBase) over installed Flintlastic SA NailBase or, for non-nailable decks such as concrete, properly primed substrates (see above). Surface must be dry and free from dust or dirt.

Start Mid Ply (or PlyBase) application at the low point of the roof with appropriate roll width to offset sidelaps 18" from sidelaps of base sheet. Install flush to roof edge if over base sheet, otherwise turn the Mid Ply (or PlyBase) over the fascia minimum 2" and secure. Design layout so that no sidelaps are against the flow of water.

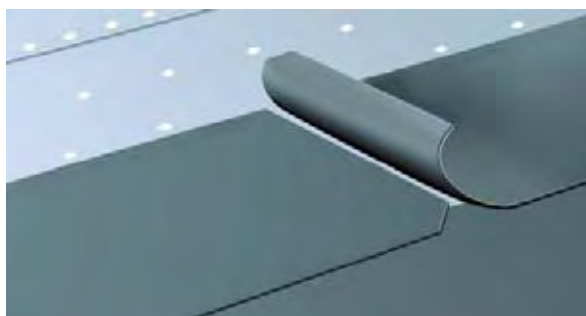
Cut rolls into manageable lengths. Fold the membrane back halfway lengthwise to remove the split release film. Press membrane securely into place, and repeat with the opposite half of the membrane. Use a heavy, weighted



roller over the entire surface of the Flintlastic SA Mid Ply (or PlyBase) membrane to secure the membrane. Work outwards to eliminate voids.



Overlap sidelaps of subsequent Mid Ply (or PlyBase) membrane lengths 3" and endlaps 6".



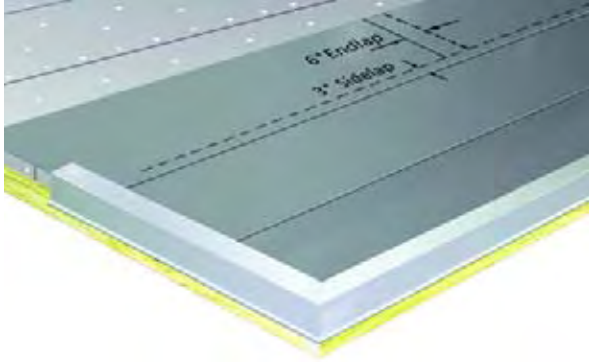
Offset (stagger) endlaps minimum 3'. Cut endlaps at opposing diagonal corners at a 45° angle approx. 3" from the corners to minimize "T"-seams. Apply a bead or small trowel dab (quarter size) of FlintBond™ SBS Modified Bitumen Adhesive, trowel or caulk grade, at the edge of the angled cut to avoid a capillary. Use of a hand-held hot air gun at the joint area prior to rolling the membrane will maximize adhesion. In areas prone to cold temperatures, snow and freeze-thaw cycles, it may be more effective to use the hot air gun to form joints, and to completely fill all mole holes with asphalt that has been slightly melted using the gun. It is recommended to apply a bead of FlintBond SBS Modified Bitumen Adhesive, caulk grade, at all Mid Ply (or PlyBase) side and endlaps to eliminate a capillary.

Don't leave the installed Flintlastic SA Mid Ply (or PlyBase) exposed to the weather; cover with Flintlastic SA Cap the same day.

\*Use Type III asphalt for slopes under 3" per foot; Type IV asphalt for slopes over 3" per foot. Spot mopping may be appropriate. Consult CertainTeed.

### Before Installing Flintlastic SA Cap (or SA Cap FR)

If roof edge detail utilizes edge metal, proceed as follows. If Mid Ply or (PlyBase) has been applied, install minimum 26 gauge edge metal using appropriate fasteners, and set entirely in a uniform 1/8"-1/4" thick troweling of FlintBond SBS Modified Bitumen Adhesive, trowel grade. Remove any oil from the metal surface using a vinegar and water solution. Prime the horizontal



surface of the metal with FlintPrime SA and allow primer to dry. Apply a bead of caulk grade FlintBond adhesive to the edge of the metal where it meets the Mid Ply (or PlyBase). Proceed with Flintlastic SA Cap (or SA Cap FR) installation.

If Mid Ply is not specified: Over the Flintlastic SA NailBase, install a FlintFlash SA 9-3/4" wide strip (or cut a strip of Mid Ply to that dimension) extending 6" onto the field of the roof and flush to the roof 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 SBS Modified Bitumen Adhesive, trowel grade. Prime the horizontal surface of the metal with FlintPrime SA and allow primer to dry. Apply a bead of caulk grade FlintBond SBS Modified Bitumen Adhesive at the roof side edge of the metal where it meets the Mid Ply strip. Proceed with cap sheet installation.

Similarly, complete your sheet metal flashing installation using cut Mid Ply strips or FlintFlash SA at all flashing details prior to flashing application. Seal edges of Mid Ply or FlintFlash flashing strips with a bead of FlintBond. See "Typical Construction Details," pages 8-11, for examples. If Mid Ply has been installed as part of the system, set flanges in trowel grade FlintBond and properly fasten. All cap sheet flashings installed to transitions that overlap onto mineral surface must be set in a uniform troweling of FlintBond trowel grade adhesive.

### Application of Flintlastic SA Cap (or SA Cap FR)

Before installing Flintlastic SA Cap (or SA Cap FR), sweep the surface of the installed SA NailBase (or PlyBase) or Mid Ply clean. To install Flintlastic SA Cap (or SA Cap FR), start at the low point of the roof with an appropriate roll width to offset sidelaps from the underlying membrane a minimum of 18". Work with manageable lengths for proper handling.



Position SA Cap (or SA Cap FR) with selvage edge release strip at high side of roof. Install in weather-lapped fashion, with no laps against the flow of water.



Once positioned, lift and fold back (lengthwise) the lower half of the membrane. Remove the split release film and press firmly into place. Then repeat with the

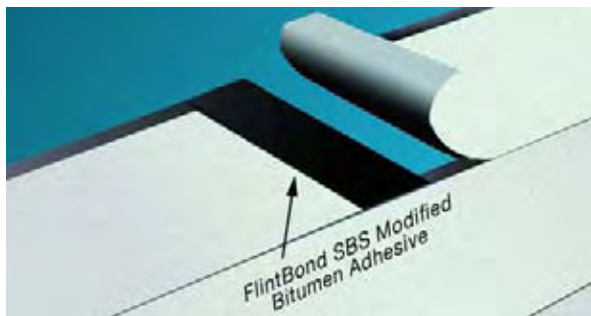


other (high side of the roof) half of the membrane. Follow the same layout and split release film procedures as for Mid Ply (or PlyBase), but overlap sidelaps 4" and endlaps 6". Use a heavy, weighted roller over the entire surface of Flintlastic SA Cap (or SA Cap FR) to secure it in place and prevent voids, working outward from the center of the sheet.

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 a 45° angle approx. 4" from the corners to minimize T-seams.



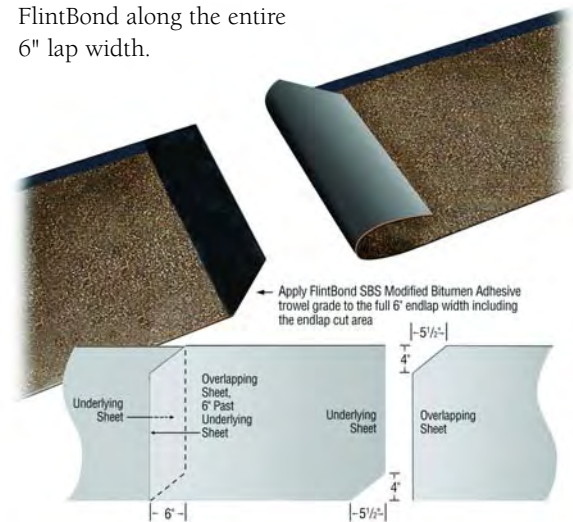
Use FlintBond SBS Modified Bitumen Adhesive, trowel grade, on the entire 6" width of each endlap prior to overlapping. Apply a uniform 1/8"-1/4" troweling of the FlintBond on the entire width of the endlaps to the underlying membrane. Install the overlapping sheet. Always apply FlintBond (extend beyond underlying lap minimum 1/4") on the entire width of any overlap when applying SA Cap (or SA Cap FR) over another mineral surface such as the SA Cap (or SA Cap FR) endlap.

At all vertical and other flashing points, apply FlintBond SBS Modified Bitumen Adhesive, trowel grade, wherever there is an overlap onto mineral surfacing.

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 small voids at laps. If necessary, use appropriate hand-held hot air welding tool and seam roller or an application of FlintBond to seal small unbonded areas if they exist.

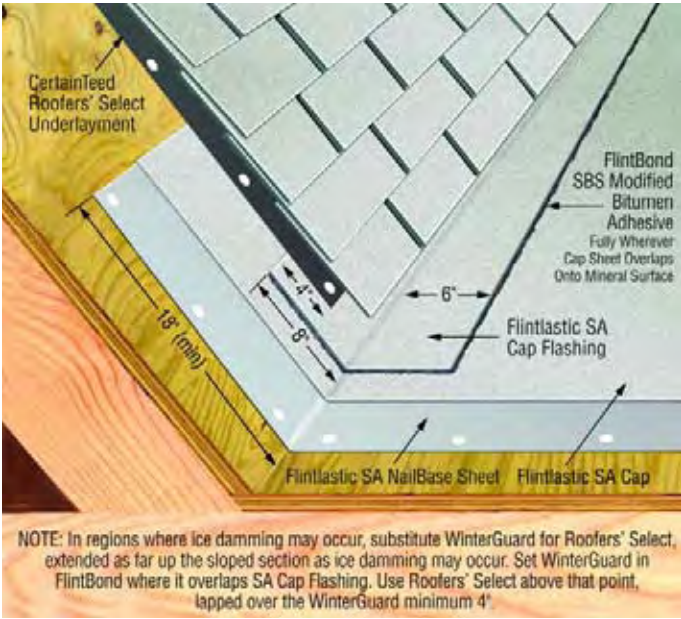
## The Proper T-Seam Detail

- Before adhering Flintlastic SA Mid Ply or Cap (or SA Cap FR) endlaps, trim the underlying sheet's lower outside corner at the end of the roll.
- Follow with the overlapping sheet, trimming the upper outside corner.
- Corners should be trimmed on a diagonal angle 5-1/2" long from end of roll to outside edge.
- Width of trim should be equal in width to the sidelap specified (4" for Flintlastic SA Cap [or SA Cap FR] and 3" for Flintlastic SA Mid Ply [or PlyBase]).
- Trimmed corners should be completely covered by application of succeeding courses.
- Note: If using Flintlastic SA Mid Ply (or PlyBase), apply quarter-size dab of FlintBond at T-seam area. If using Flintlastic SA Cap (or SA Cap FR), the endlap should be completely set in trowel grade FlintBond along the entire 6" lap width.

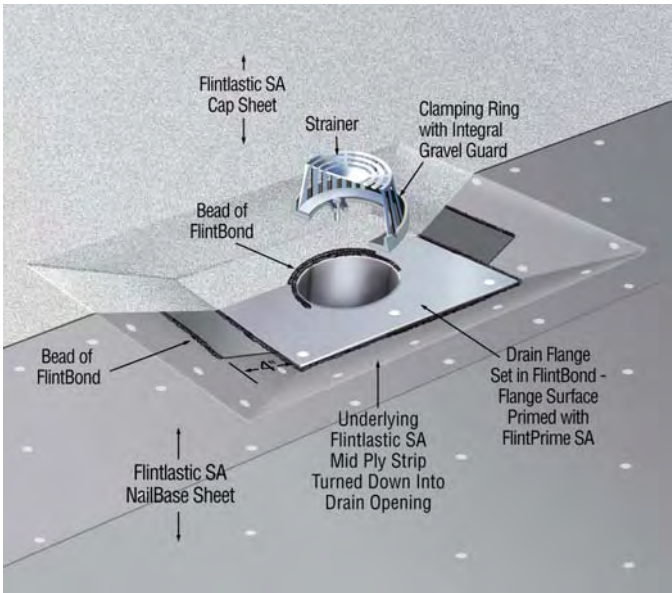
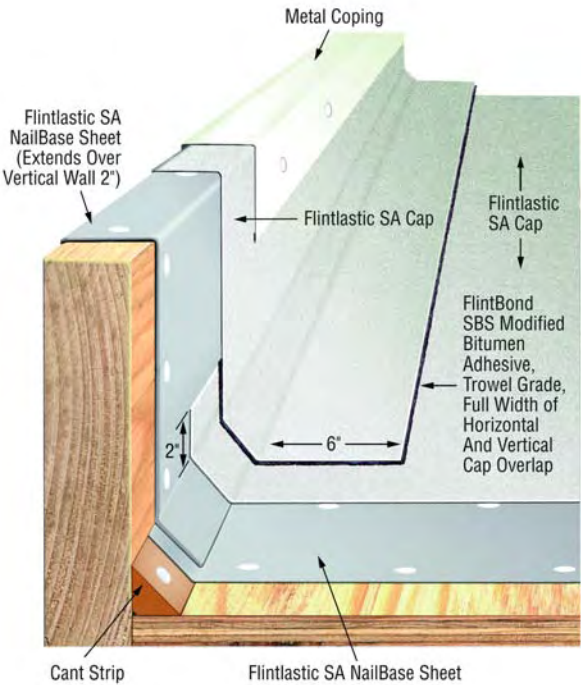


# Typical Construction Details – Flintlastic SA 2-Ply System

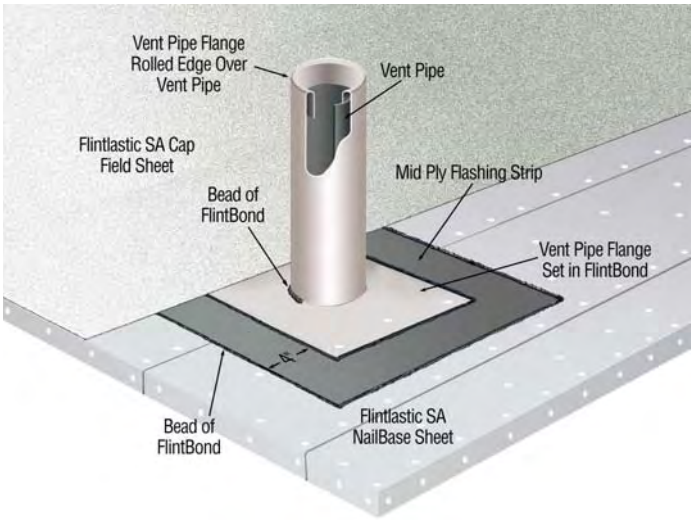
Shingle Transition



Parapet Wall



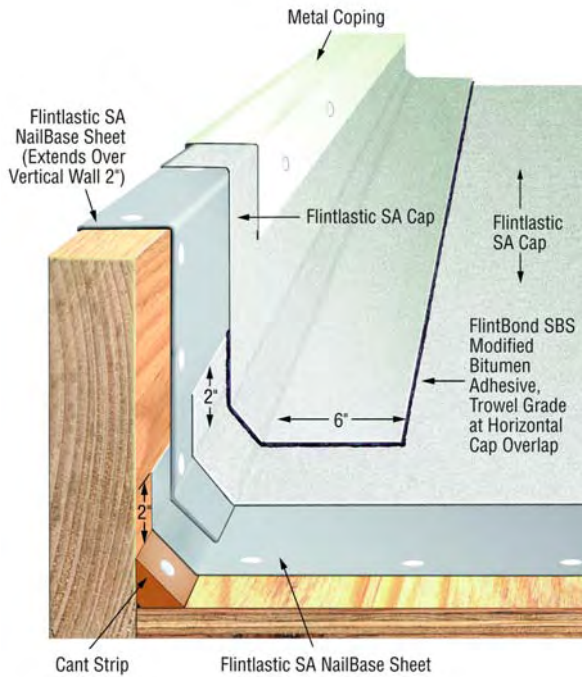
Drain Detail



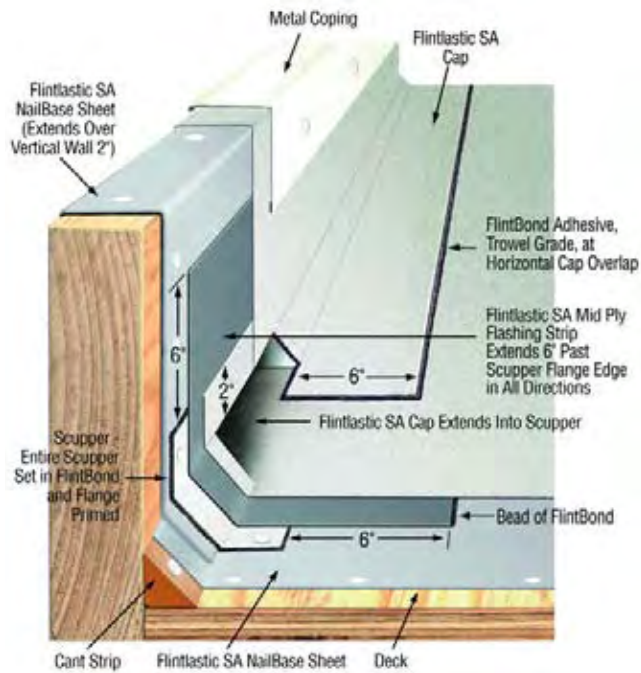
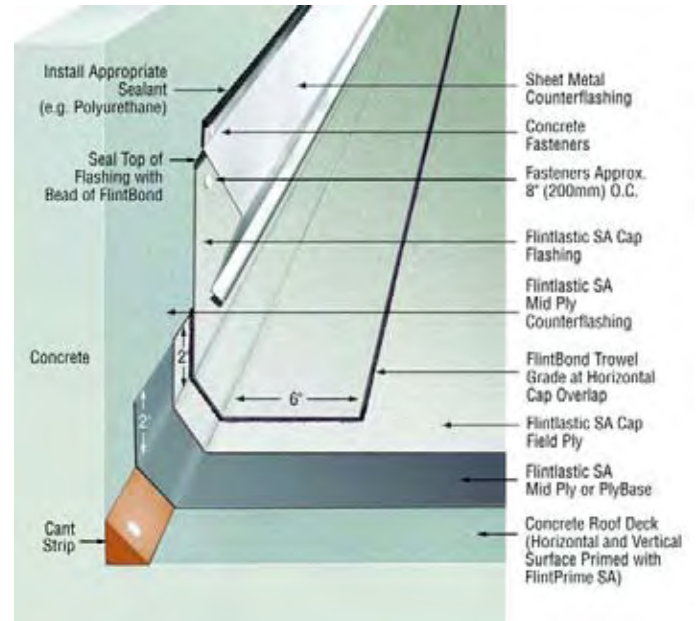
Vent Pipe Collar Detail

## Typical Construction Details – Flintlastic SA 2-Ply System

### Alternate Parapet Wall



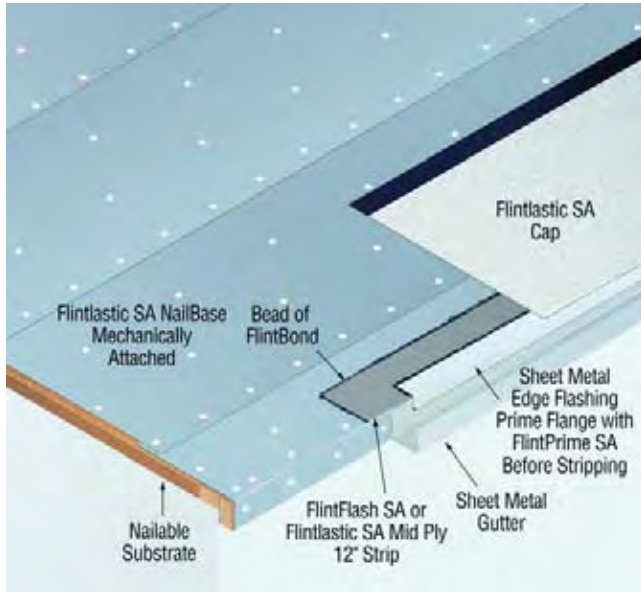
### Concrete Wall Termination with Surface Mount Flashing



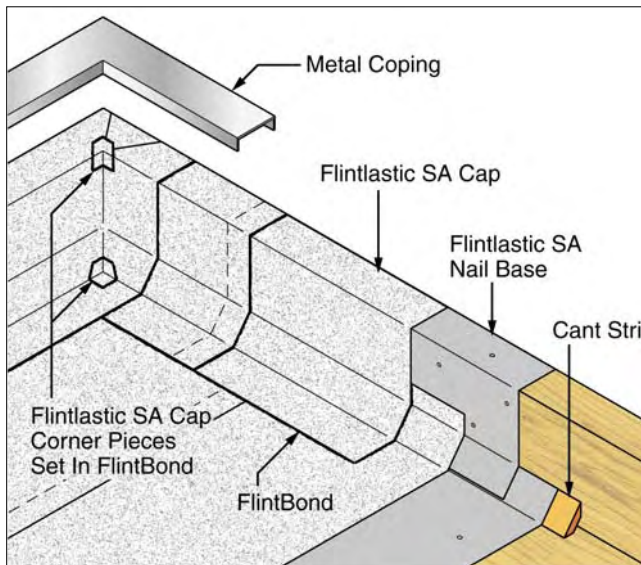
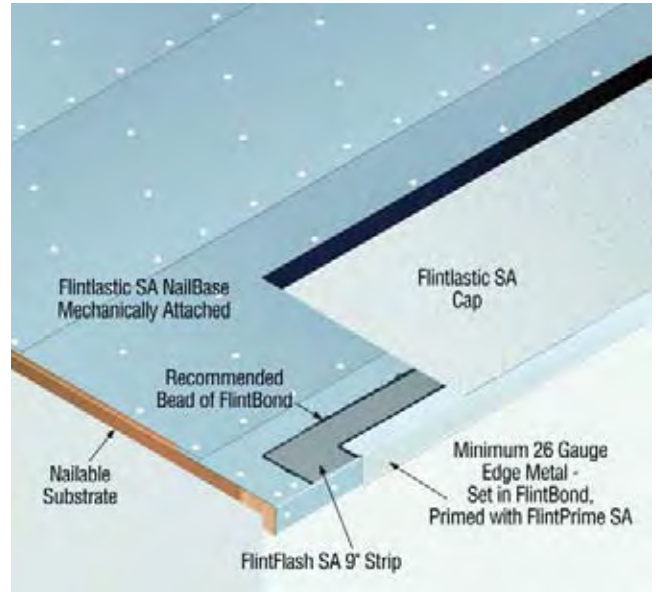
### Scupper Detail

## Typical Construction Details – Flintlastic SA 2-Ply System

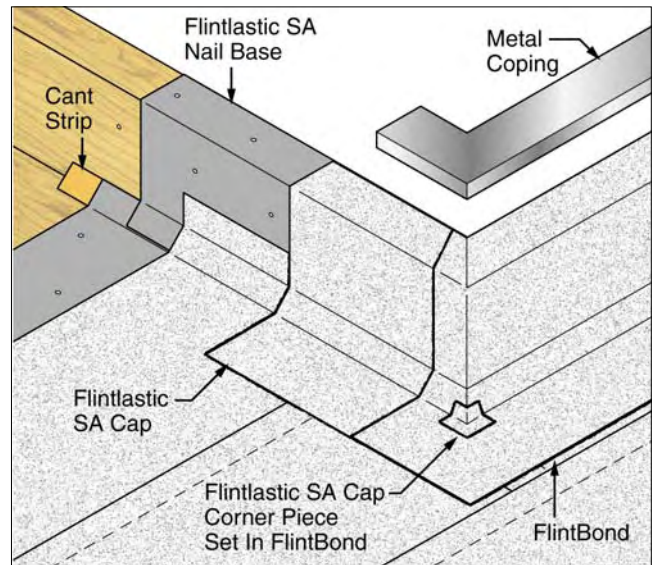
Rain Gutter Edge Detail



Edge Detail



Inside Corner



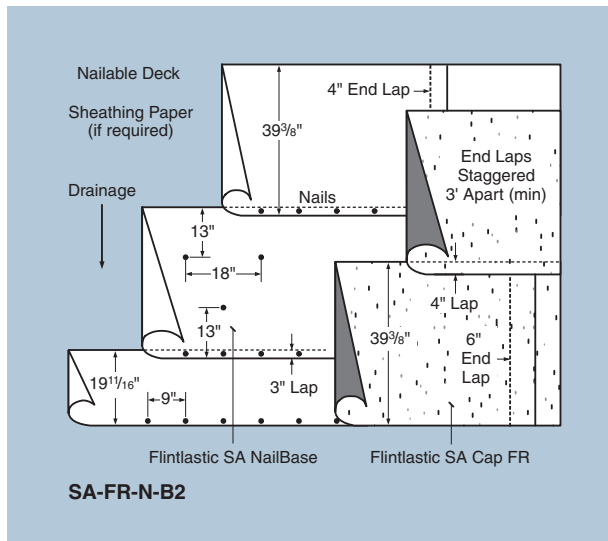
Outside Corner

## 2-Ply System Specifications

### SPECIFICATION: SA-FR-N-B2 Maximum Warranty Duration 12-year NDL

Flintlastic SA NailBase sheet, nailed.  
Flintlastic SA Cap FR, self-adhered.

**For use over nailable decks**



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|  |          |
|--|----------|
| Flintlastic SA NailBase Sheet (1 ply)* | 42 lbs.  |
| Flintlastic SA Cap FR (1 ply)          | 90 lbs.  |
| Approximate Total Weight*              | 132 lbs. |

\*Add GlasBase™ Base Sheet if installing U.L. Class A system.

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

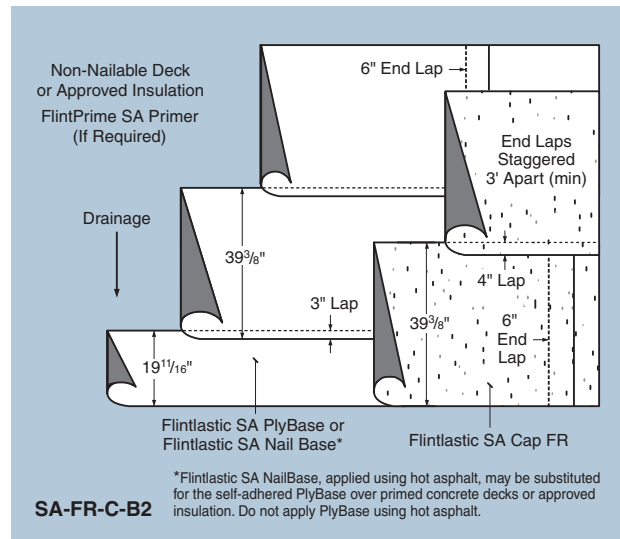
In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

**Use of CertainTeed's GlasBase under the Flintlastic SA NailBase qualifies the system for U.L. Class A over combustible decks at slopes to 1/2" per foot. GlasBase can be mechanically fastened simultaneously with the Flintlastic SA NailBase.**

### SPECIFICATION: SA-FR-C-B2 Maximum Warranty Duration 12-year NDL

Flintlastic SA NailBase sheet, applied using hot asphalt, or Flintlastic SA PlyBase, self-adhered as base ply.  
Flintlastic SA Cap FR, self-adhered.

**For use over non-nailable decks or approved insulation**



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|  |          |
|--|----------|
| FlintPrime SA (min. 1/5 gal. per 100ft²) | <1 lbs.  |
| Flintlastic SA PlyBase (1 ply)*          | 44 lbs.  |
| Flintlastic SA Cap FR (1 ply)            | 90 lbs.  |
| Approximate Total Weight**               | 135 lbs. |

\*Or 42 lbs plus the asphalt if Flintlastic SA NailBase mopped to primed concrete.

\*\*Plus insulation if used.

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

#### Roof System Ventilation

Roof system as shown requires ventilation as per NRCA recommendations.

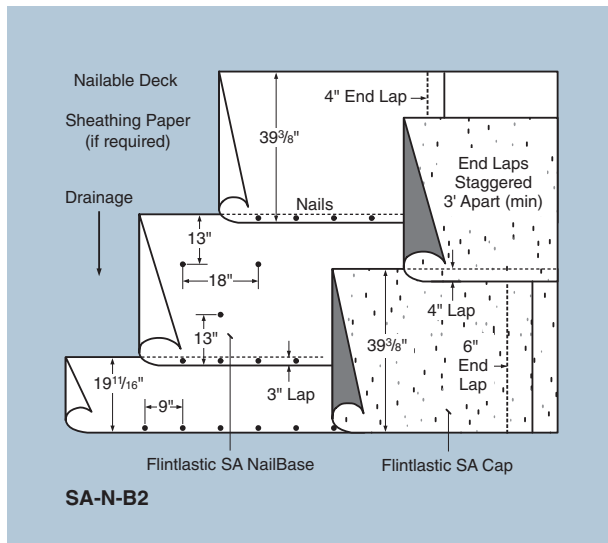
**Specification with insulation and approved gypsum cover board meets U.L. Class A for slopes up to 1/2" per foot.**

## 2-Ply System Specifications

### SPECIFICATION: SA-N-B2 Maximum Warranty Duration 12-year NDL

Flintlastic SA NailBase sheet, nailed.  
Flintlastic SA Cap, self-adhered.

#### For use over nailable decks



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|  |          |
|--|----------|
| Flintlastic SA NailBase Sheet (1 ply)* | 42 lbs.  |
| Flintlastic SA Cap (1 ply)             | 97 lbs.  |
| Approximate Total Weight*              | 139 lbs. |

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

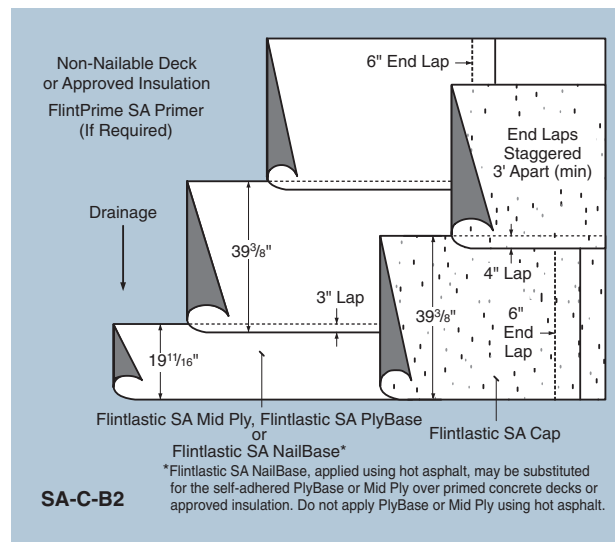
In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

### SPECIFICATION: SA-C-B2 Maximum Warranty Duration 12-year NDL

Flintlastic SA NailBase sheet, applied using hot asphalt, or Flintlastic SA PlyBase, self-adhered as base ply.  
Flintlastic SA Cap, self-adhered.

#### For use over non-nailable decks or approved insulation

(Flintlastic SA Base required over insulation)



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|   |          |
|---|----------|
| FlintPrime SA (min. 1/5 gal. per 100ft <sup>2</sup> ) | <1 lbs.  |
| Flintlastic SA PlyBase (1 ply)*                       | 44 lbs.  |
| Flintlastic SA Cap (1 ply)                            | 97 lbs.  |
| Approximate Total Weight**                            | 142 lbs. |

\*Or 42 lbs plus the asphalt if Flintlastic SA NailBase mopped to primed concrete.

\*\*Plus insulation if used.

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

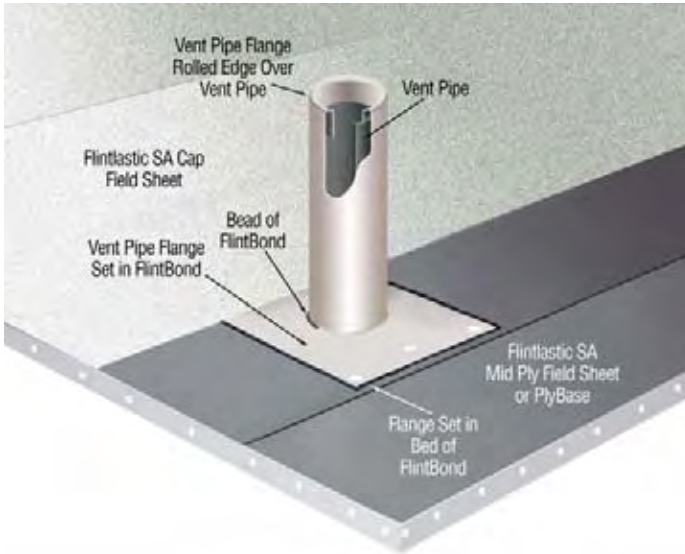
In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

#### Roof System Ventilation

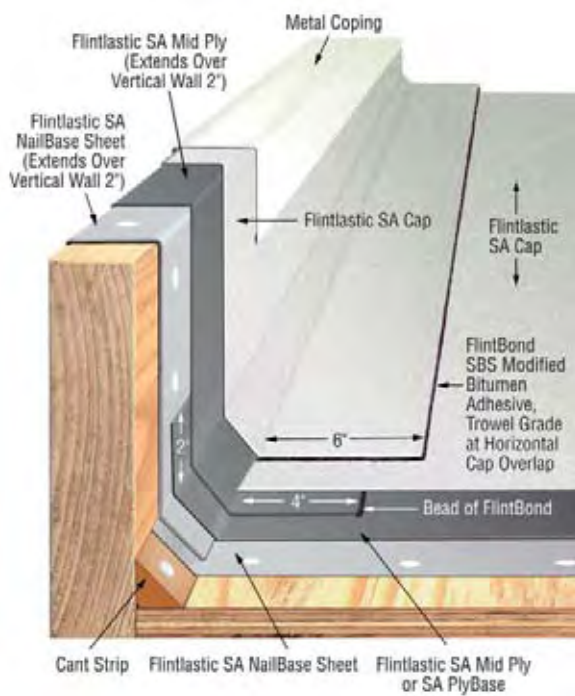
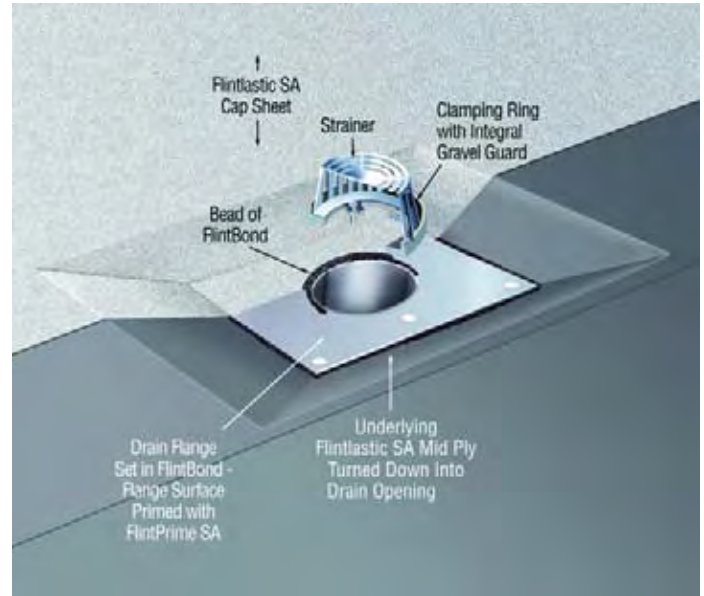
Roof system as shown requires ventilation as per NRCA recommendations.

## Typical Construction Details – Flintlastic SA 3-Ply System

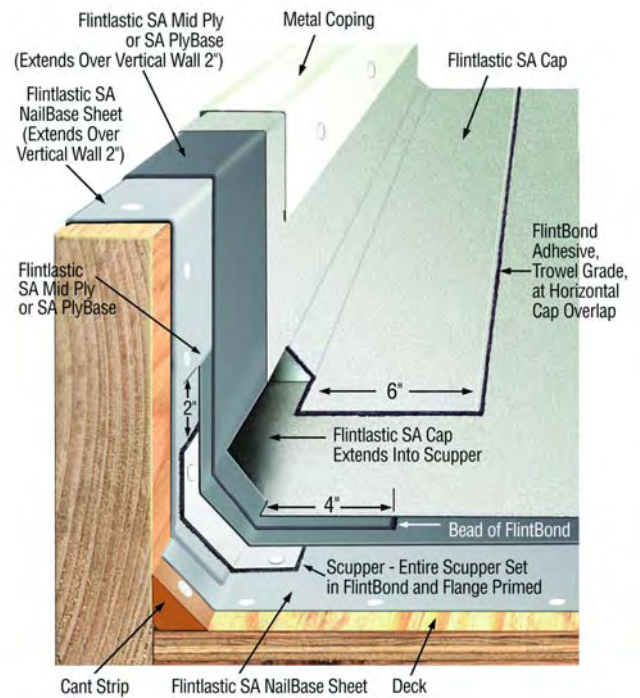
### Vent Pipe Collar Detail



### Drain Detail



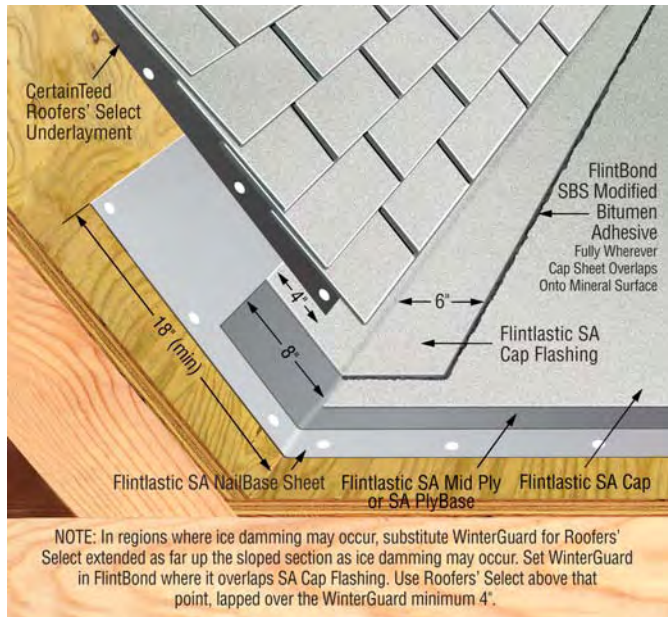
### Parapet Wall



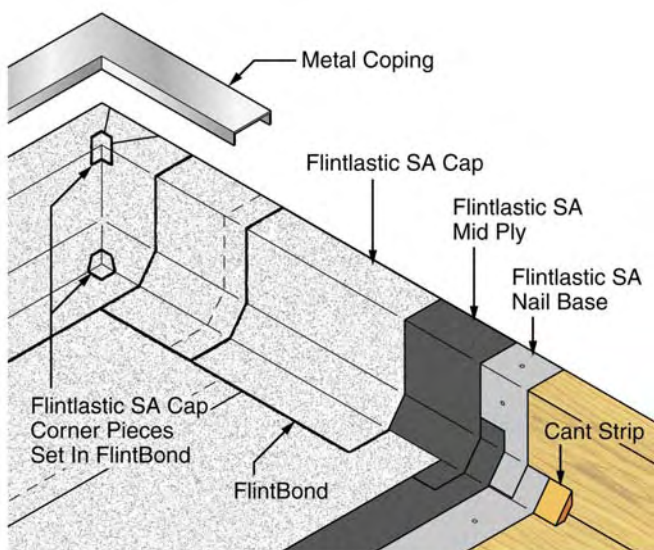
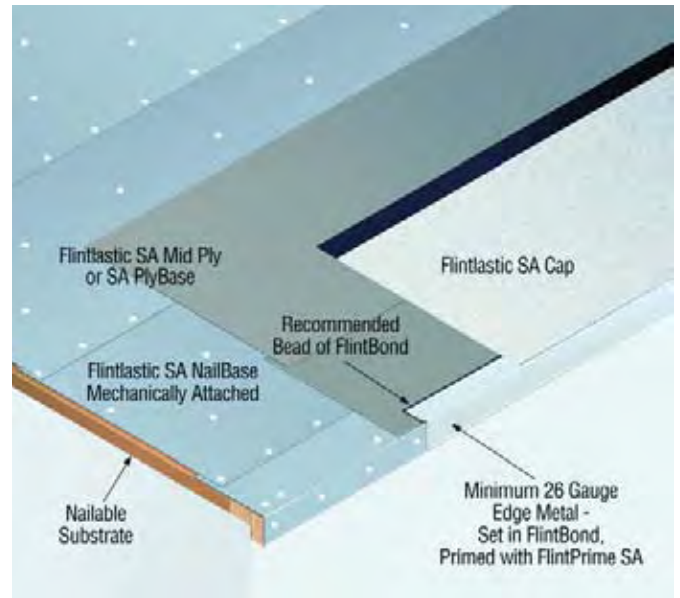
### Scupper Detail

## Typical Construction Details – Flintlastic SA 3-Ply System

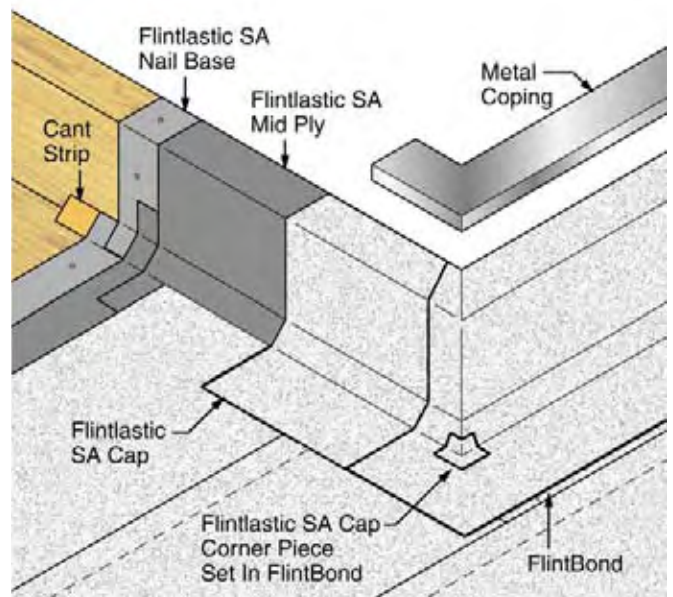
### Shingle Transition



### Edge Detail



### Inside Corner



### Outside Corner

### 3-Ply System Specifications

#### SPECIFICATION: SA-FR-N-B3

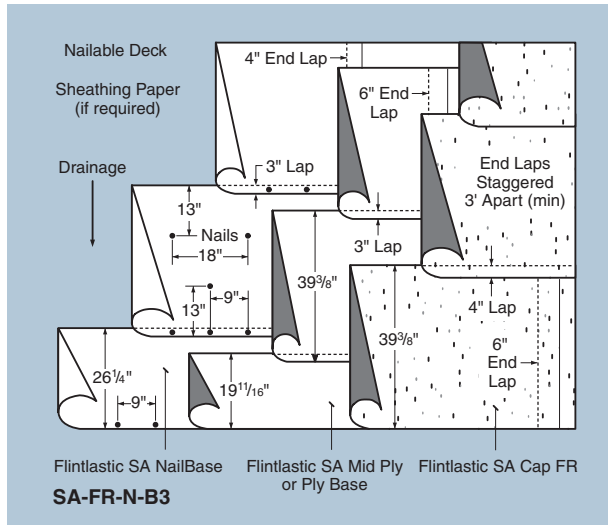
Maximum Warranty Duration 15-year NDL

Flintlastic SA NailBase sheet, nailed.

Flintlastic SA Mid Ply, self-adhered.

Flintlastic SA Cap FR, self-adhered.

For use over nailable decks



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|                                       |          |
|---------------------------------------|----------|
| Flintlastic SA NailBase Sheet (1 ply) | 42 lbs.  |
| Flintlastic SA Mid Ply (1 ply)        | 68 lbs.  |
| Flintlastic SA Cap FR (1 ply)         | 90 lbs.  |
| Approximate Total Weight              | 200 lbs. |

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

Specification described (with SA PlyBase interply) meets U.L. Class A to inclines of 1/2" in 12" over gypsum coverboard.

#### SPECIFICATION: SA-FR-C-B3

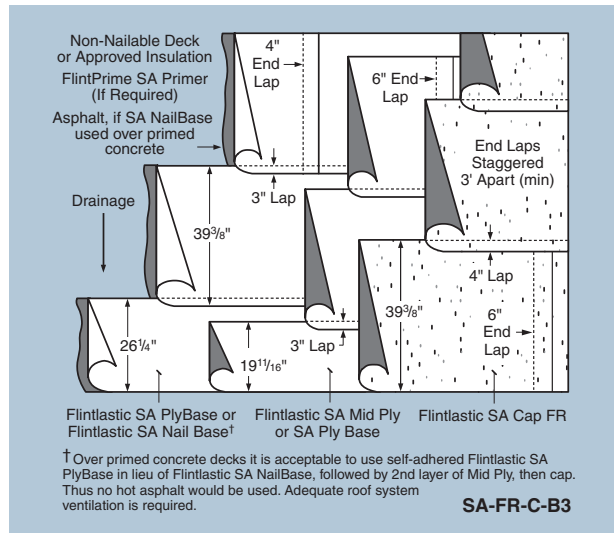
Maximum Warranty Duration 15-year and 20-year NDL

Flintlastic SA NailBase sheet, applied using hot asphalt, or Flintlastic SA PlyBase, self-adhered as base ply.

Flintlastic SA Mid Ply, self-adhered.

Flintlastic SA Cap FR, self-adhered.

For use over non-nailable decks or approved insulation



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|   |          |
|---|----------|
| FlintPrime SA (min. 1/5 gal. per 100ft <sup>2</sup> ) | <1 lbs.  |
| Flintlastic SA PlyBase Sheet (1 ply)                  | 44 lbs.  |
| Flintlastic SA Mid Ply (1 ply)                        | 68 lbs.  |
| Flintlastic SA Cap FR (1 ply)                         | 90 lbs.  |
| Approximate Total Weight*                             | 202 lbs. |

\*Plus insulation as applicable.

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

#### Cants

In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

Specification described (with SA PlyBase interply) meets U.L. Class A for slopes up to 1/2" per foot over gypsum coverboard.

### 3-Ply System Specifications

#### SPECIFICATION: SA-N-B3

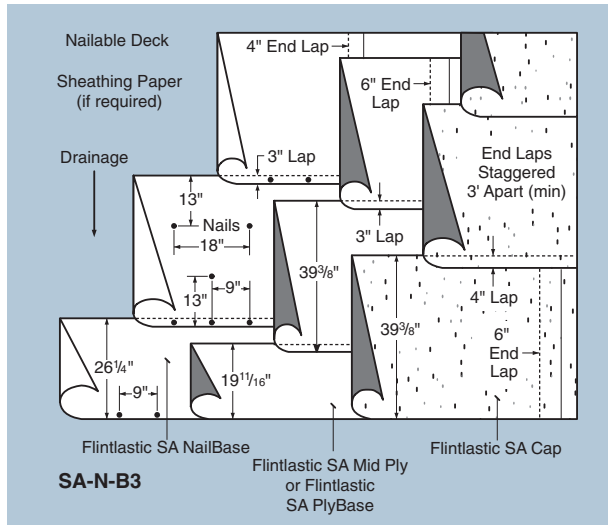
##### Maximum Warranty Duration 15-year NDL and 20-year NDL

Flintlastic SA NailBase sheet, nailed.

Flintlastic SA Mid Ply, self-adhered.

Flintlastic SA Cap, self-adhered.

##### For use over nailable decks



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|                                       |          |
|---------------------------------------|----------|
| Flintlastic SA NailBase Sheet (1 ply) | 42 lbs.  |
| Flintlastic SA Mid Ply (1 ply)        | 68 lbs.  |
| Flintlastic SA Cap (1 ply)            | 97 lbs.  |
| Approximate Total Weight              | 207 lbs. |

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

##### Cants

In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

#### SPECIFICATION: SA-C-B3

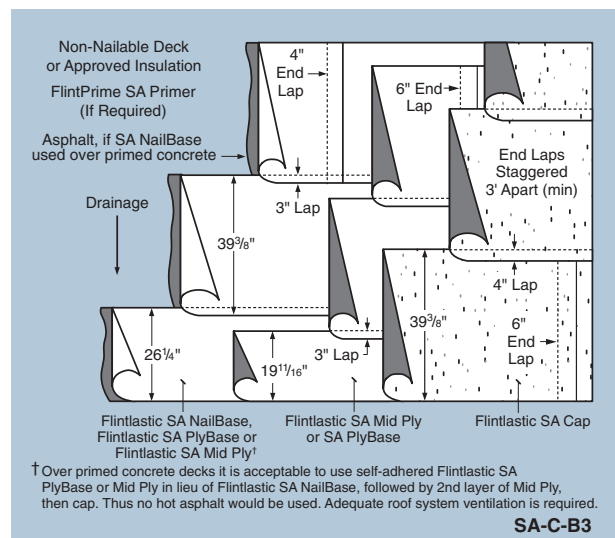
##### Maximum Warranty Duration 15-year and 20-year NDL

Flintlastic SA NailBase sheet, applied using hot asphalt, or Flintlastic SA PlyBase or Mid Ply, self-adhered as base ply.

Flintlastic SA Mid Ply, self-adhered.

Flintlastic SA Cap, self-adhered.

##### For use over non-nailable decks or approved insulation



#### 2.01 Roofing System

##### Summary of Materials per 100 Square Feet

|   |          |
|---|----------|
| FlintPrime SA (min. 1/5 gal. per 100ft <sup>2</sup> ) | <1 lbs.  |
| Flintlastic SA PlyBase Sheet (1 ply)                  | 44 lbs.  |
| Flintlastic SA Mid Ply (1 ply)                        | 68 lbs.  |
| Flintlastic SA Cap (1 ply)                            | 97 lbs.  |
| Approximate Total Weight*                             | 209 lbs. |

\*Plus insulation as applicable.

Note: Flintlastic SA Mid Ply (or FlintFlash SA), FlintBond Trowel Grade and FlintBond Caulk Grade are needed for flashing details and mineral surface membrane overlaps. FlintPrime SA is needed for surfaces that require priming.

##### Cants

In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

## System Selection Guide

**Good – Better – Best. Don't specify less.**

The chart below is a quick guide to choosing the right roof system for your needs.

Please note: the best roofs have adequate drainage and utilize a double-layer of FlintBoard™ roof insulation.

| GOOD   |  | BETTER   |  | BEST  |   |
|--|--|--|--|---|---|
| Nailable Decks   | Non-Nailable   | Nailable Decks   | Non-Nailable   | Nailable Decks  | Non-Nailable  |
| <b>APP</b>   |  |  |  |   |   |
| Nailed base and 1 APP Cap  | Mopped base and 1 APP Cap  | Nailed base and 1 Premium APP Cap                                      | Mopped base and 1 Premium APP Cap                                      | Nailed base, 1 smooth APP ply and 1 APP Cap                 | Mopped base, 1 smooth APP ply and 1 APP Cap                 |
| <b>SBS</b>   |  |  |  |   |   |
| Nailed base and 1 SBS Premium Cap                                      | Mopped base and 1 SBS Premium Cap                                      | Nailed base, 1-2 BUR fiberglass interply sheets, 1 SBS Cap             | Mopped base, 1-2 BUR fiberglass interply sheets, 1 SBS Cap             | Nailed base, 1 smooth SBS Premium ply and 1 SBS Premium Cap | Mopped base, 1 smooth SBS Premium ply and 1 SBS Premium Cap |
| <b>BUR</b>   |  |  |  |   |   |
| Nailed base, 2 BUR interply sheets, gravel surfacing or fiberglass cap | Mopped base, 2 BUR interply sheets, gravel surfacing or fiberglass cap | Nailed base, 3 BUR interply sheets, gravel surfacing or fiberglass cap | Mopped base, 3 BUR interply sheets, gravel surfacing or fiberglass cap | Nailed base, 3 BUR interply sheets, 1 Premium BUR cap       | Mopped base, 3 BUR interply sheets, 1 Premium BUR cap       |
| <b>SA</b>  |  |  |  |   |   |
| SA NailBase SA Cap   | SA PlyBase SA Cap  | SA NailBase SA Plybase SA Cap  | 2 SA Plybase SA Cap  | SA NailBase SA Mid Ply SA Cap                               | SA PlyBase SA Mid Ply SA Cap                                |

## System Selection Guide

### 12-Year Warranty:

Non-nailable: SA PlyBase and SA Cap (SA Cap FR)

Nailable: SA NailBase and SA Cap (SA Cap FR)

### 15-Year Warranty:

Non-nailable: SA PlyBase, SA PlyBase and SA Cap (SA Cap FR) or SA Mid Ply and (SA Cap FR)

Nailable: SA NailBase, SA PlyBase and SA Cap (SA Cap FR)

### 20-Year Warranty:

Non-nailable: SA PlyBase, SA Mid Ply and SA Cap (SA Cap FR)

Nailable: SA NailBase, SA PlyBase, SA Mid Ply and SA Cap (SA Cap FR)

|                 | Flintlastic SA NailBase                  | Flintlastic SA PlyBase                    | Flintlastic SA Mid Ply                      | Flintlastic SA Cap                          | Flintlastic SA Cap FR                     | FlintFlash SA  |
|-----------------|--|---|---|---|---|--|
| Roll Dimensions | 66'6" x 39-3/8"                          | 66'6" x 39-3/8"                           | 33'11" x 39-3/8"                            | 33'11" x 39-3/8"                            | 33'11" x 39-3/8"                          | 33'11" x 9-3/4"  |
| Thickness       | 1.5 mm                                   | 1.5 mm                                    | 3.0 mm                                      | 4.0 mm                                      | 3.2 mm                                    | 3.0 mm   |
| Weight          | 84 lbs                                   | 88 lbs                                    | 68 lbs                                      | 97 lbs                                      | 90 lbs.                                   | 17 lbs   |
| Coverage        | 2 Squares                                | 2 Squares                                 | 1 Square                                    | 1 Square                                    | 1 Square                                  | 1/4 Square   |
| Top Surface     | Permanent Film                           | Permanent Film                            | Permanent Film                              | Mineral-Variety of Colors                   | Mineral                                   | Permanent Film   |
| Bottom Surface  | Sand                                     | Removable Release Film                    | Removable Release Film                      | Removable Release Film                      |   | Removable Release Film   |
| Reinforcement   | Fiber Glass Mat                          | Fiber Glass Mat                           | Polyester/Fiber Glass Scrim Combination Mat | Polyester/Fiber Glass Scrim Combination Mat | Heavy Fiber Glass Mat                     | Polyester/Fiber Glass Scrim Combination Mat                      |
| Tensile (lb/in) | 65/40 (MD/CD)                            | 65/40 (MD/CD)                             | 80/60 (MD/CD)                               | 80/60 (MD/CD)                               | 60/55 (MD/CD)                             | 80/60 (MD/CD)  |
| Elongation (%)  | 6/5 (MD/CD)                              | 6/5 (MD/CD)                               | 50/55 (MD/CD)                               | 50/55 (MD/CD)                               | 4/4 (MD/CD)                               | 50/55 (MD/CD)  |
| Packaging       | Palletized, Bands<br>20 Rolls Per Pallet | Individual Cartons<br>20 Rolls Per Pallet | Individual Cartons<br>20 Rolls Per Pallet   | Individual Cartons<br>20 Rolls Per Pallet   | Individual Cartons<br>20 Rolls Per Pallet | Individual Cartons,<br>4 Rolls Per Carton<br>80 Rolls Per Pallet |

Caution: 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).



UL 2218 Class 4 Impact Resistance—Certain systems are UL classified as to impact resistance as described in the UL Roofing Materials and Systems Directory.



ICC-ES ESR-1388

## ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

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[www.certainteed.com](http://www.certainteed.com)

**CertainTeed** The CertainTeed logo symbol, a stylized 'C' composed of three horizontal bars.