

CertainTeed

FLINTLASTIC[®] SA

Self-Adhering SBS Modified Bitumen Roof Systems



CertainTeed
SAINT-GOBAIN



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)

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?

Flintlastic SA roof systems are ideal when access to the roof is limited – such as high-rise buildings. There are also many advantages to installing SA systems on healthcare and educational facilities where occupant comfort is extremely important.

Energy Savings

Flintlastic SA Cap and SA Cap FR are available with solar reflective granules, meeting Energy Star® and Cool Roof Rating Council (CRRC) minimum requirements. Specific product details may be found on individual product technical data sheets or by visiting www.energystar.gov or www.coolroofs.org.

The Flintlastic SA Family of Products

CertainTeed offers two types of primers for use with Flintlastic SA systems. FlintPrime™ asphalt primer and FlintPrime™ SA polymer based primer are designed to enhance the adhesion of self-adhesive roofing membranes. Available in 17-oz spray cans, 1-gallon cans, 3.5-gallon buckets, and 5-gallon pails.



FlintBond™ SBS Modified Bitumen Adhesive is a premium grade adhesive. 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:

- A weighted roller for pressing the membrane into place, 2" to 4" in diameter (20-70 lbs.).
- 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.

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 MidPly 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.

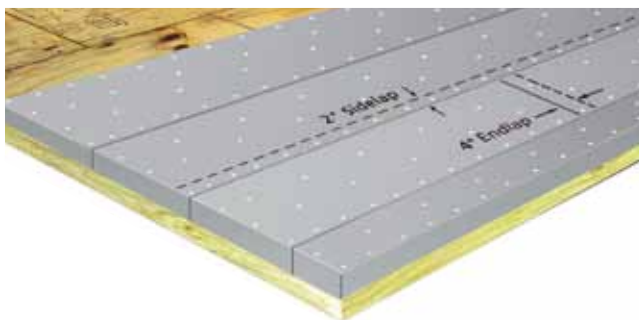
- When applying MidPly (or PlyBase) directly to substrate, design adequate roof ventilation into the system through the use of roof relief vents.
- Do not mix Flintlastic SA membranes with other types of roof membranes. Flintlastic SA membranes are specifically designed to be applied together. The permanent top film of the MidPly, 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 MidPly 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.
- 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 the CertainTeed Commercial Roof Systems Manual for details.

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 MidPly 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 positive 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). Start with an



<p>Standard (Round Head) Roofing Nails and Cap (Note: CertainTeed does not permit the use of plastic caps) For use with Base Sheet, Flash/Termination Bar on Plywood Decks, Non Veneer Decks, Wood Plank Decks</p>
<p>Large Head Roofing Nails For use with Base Sheet, Flash/Termination Bar on Plywood Decks, Non Veneer Decks, Wood Plank Decks</p>
<p>Base Sheet Fasteners for some Cementitious Roof Decks For use with Base Sheet on Light Weight Insulation Concrete, Poured Gypsum</p>
<p>Self-Locking Fasteners For use with Base Sheet on Cement/Wood Fiber</p>
<p>Insulation Fasteners</p>

appropriate roll width (1/3 or 1/2 roll) to accommodate offsetting of sidelaps of subsequent layers of MidPly 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.

Prime non-nailable substrates such as concrete using FlintPrime SA polymer-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 100ft², or self-adhere SA PlyBase (or MidPly).



Overlap base sheet sidelaps 2" 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 MidPly and/or Flintlastic SA Cap (or SA Cap FR).

Don't leave the installed Flintlastic SA NailBase exposed to the weather; cover with Flintlastic SA Cap the same day.

Application of Flintlastic SA MidPly or PlyBase to insulated decks

SA MidPly or PlyBase may be adhered directly to mechanically fastened FlintBoard ISO or adhered to FlintBoard ISO Cold.

Before installing, sweep the surface of the insulation boards to remove any dust, dirt or sand particles that could interfere with adhesion.

Start application at the low point of the roof. Install flush to roof edge. Design layout so that no sidelaps are against the flow of water.

Application of Interply

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

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

Apply MidPly (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 MidPly (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 MidPly (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 MidPly

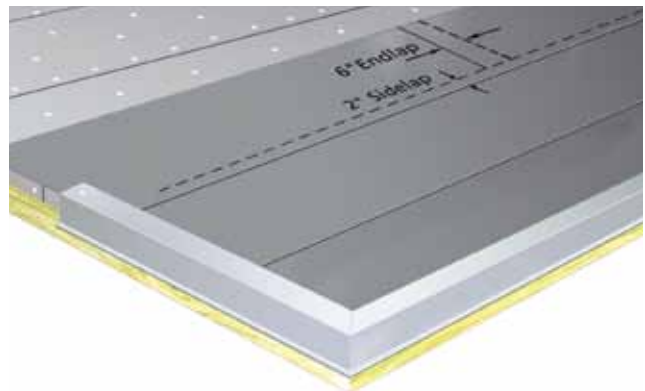
(or PlyBase) membrane to secure the membrane. Work outwards to eliminate voids.

Overlap sidelaps of subsequent MidPly (or PlyBase) membrane lengths 2" and endlaps 6". Offset (stagger) endlaps minimum 3'. Cut endlaps at opposing diagonal corners at an angle approximately 2" 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 MidPly (or PlyBase) side and endlaps to eliminate a capillary.

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

Before Installing Flintlastic SA Cap (or SA Cap FR)

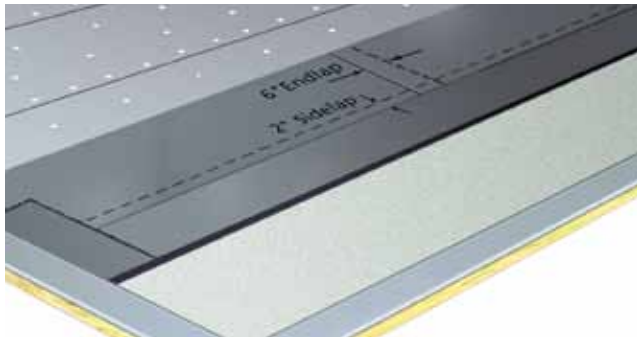
If roof edge detail utilizes edge metal, proceed as follows. If MidPly (or PlyBase) has been applied, install minimum 26 gauge edge metal using appropriate fasteners, and set entirely in a uniform 1/8"-1/4" thick troweling of FlintBond SBS Modified Bitumen Adhesive, trowel grade. Remove any oil from 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 MidPly (or PlyBase). Proceed with Flintlastic SA Cap (or SA Cap FR) installation.



If MidPly is not specified: Over the Flintlastic SA NailBase, install a 9" wide strip of MidPly 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. Remove any oil from the metal surface using a vinegar and water

solution. Prime the horizontal surface of the metal with FlintPrime or 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 MidPly strip. Proceed with cap sheet installation.

Similarly, complete your sheet metal flashing installation using cut MidPly flashing collars at all flashing details prior to flashing application. Seal edges of MidPly flashing collars with a bead of FlintBond. See "Typical Construction Details," pages 7-9, for examples. If MidPly 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



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 MidPly 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 MidPly (or PlyBase), but overlap sidelaps 3" and endlaps 6". Use a 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 an angle approx. 3" 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.



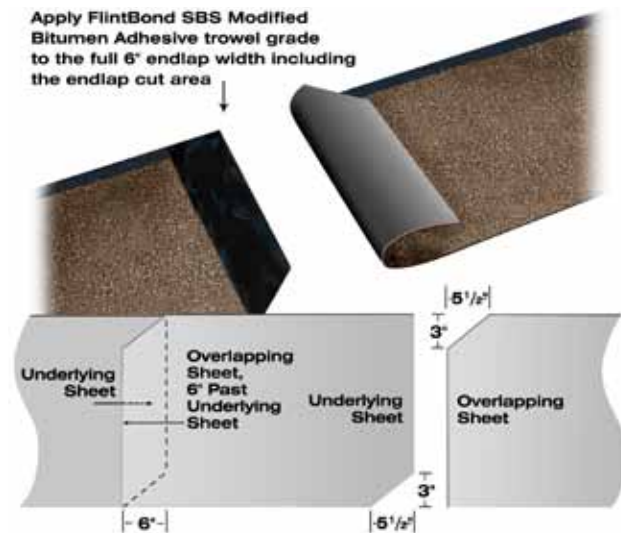
At all vertical and other flashing points, apply FlintBond SBS Modified Bitumen Adhesive, trowel grade, wherever there is an overlap onto mineral surfacing.

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.

Included in this manual are a few common construction details. Please refer to CertainTeed's standard 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 Grade adhesive and all overlaps over mineral surfacing must utilize FlintBond Trowel Grade adhesive.

The Proper T-Seam Detail

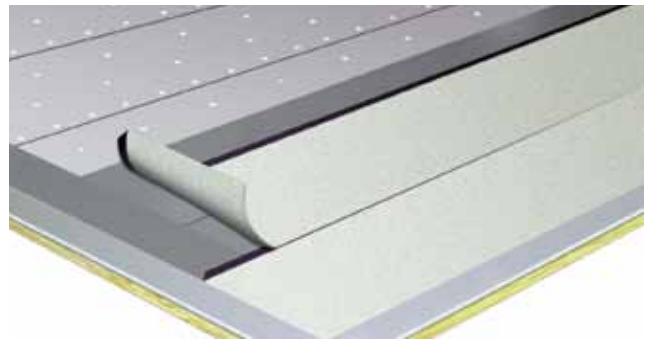
- Before adhering Flintlastic SA MidPly or Cap (or SA Cap FR) endlaps, trim the underlying sheet's lower outside corner at the end of the roll.
- Follow with the overlapping sheet, trimming the upper outside corner.



- 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 (3" for Flintlastic SA Cap [or SA Cap FR] and 2" for Flintlastic SA MidPly [or PlyBase]).
- Trimmed corners should be completely covered by application of succeeding courses.
- Note: If using Flintlastic SA MidPly (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.

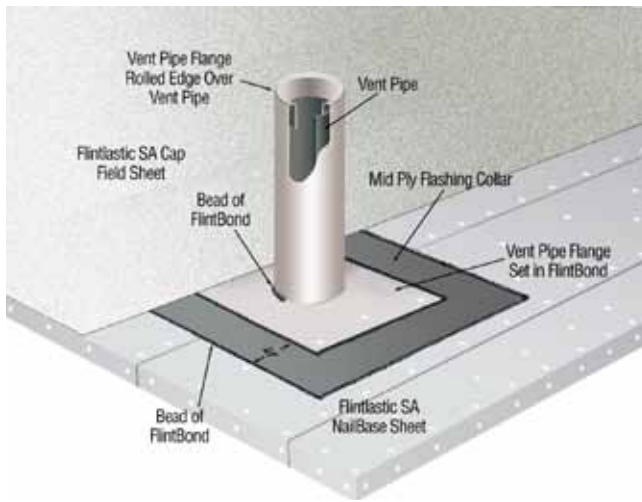
Rake Edge Detail

- Cut selvage area at an angle at all rake edges.
- Apply a bead of FlintBond caulk along cut edge to eliminate mole holes.

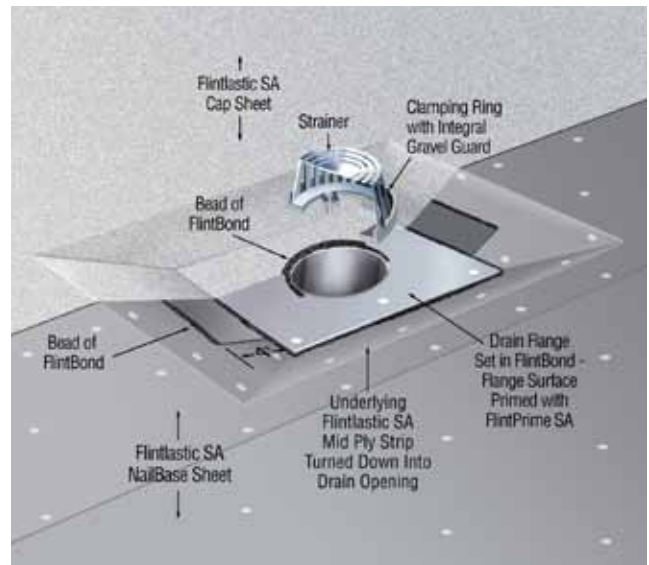


Typical Construction Details - Flintlastic SA 2-Ply System

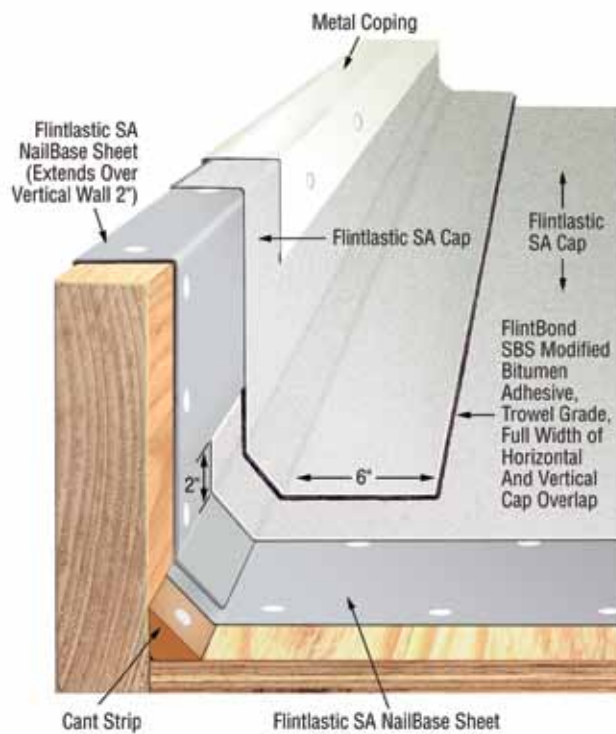
Vent Pipe Collar Detail



Drain Detail

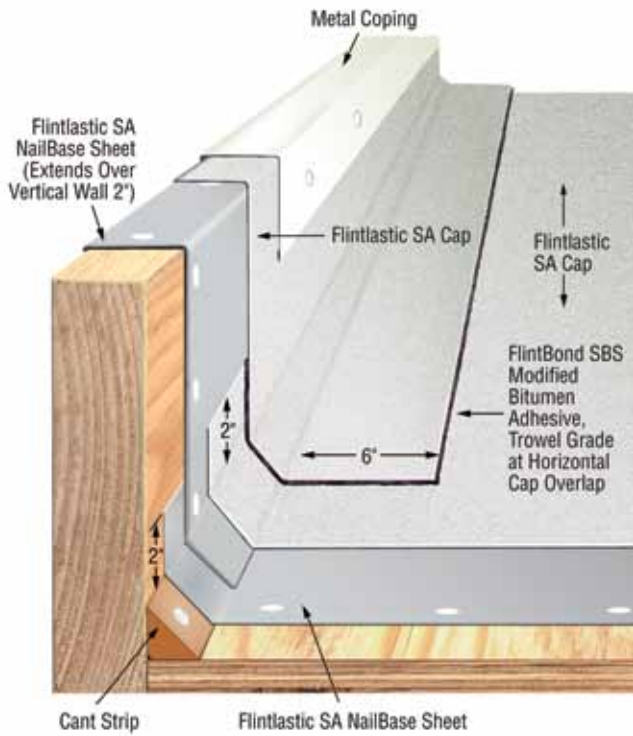


Parapet Wall

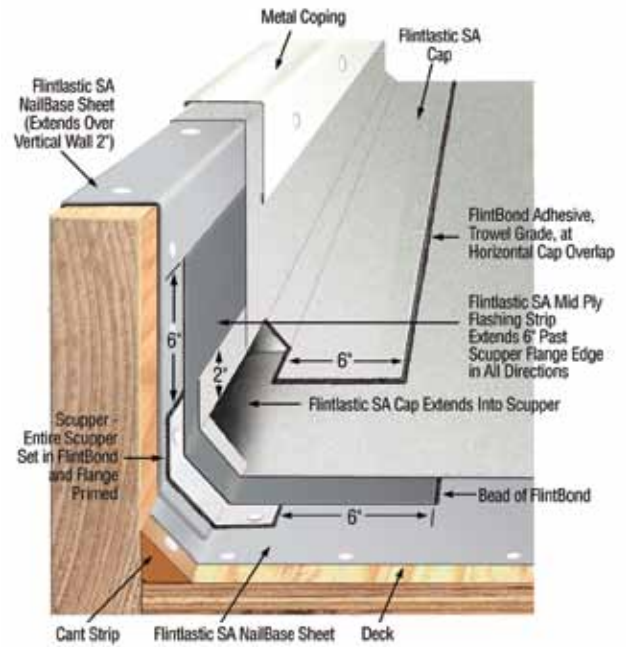


Typical Construction Details - Flintlastic SA 2-Ply System

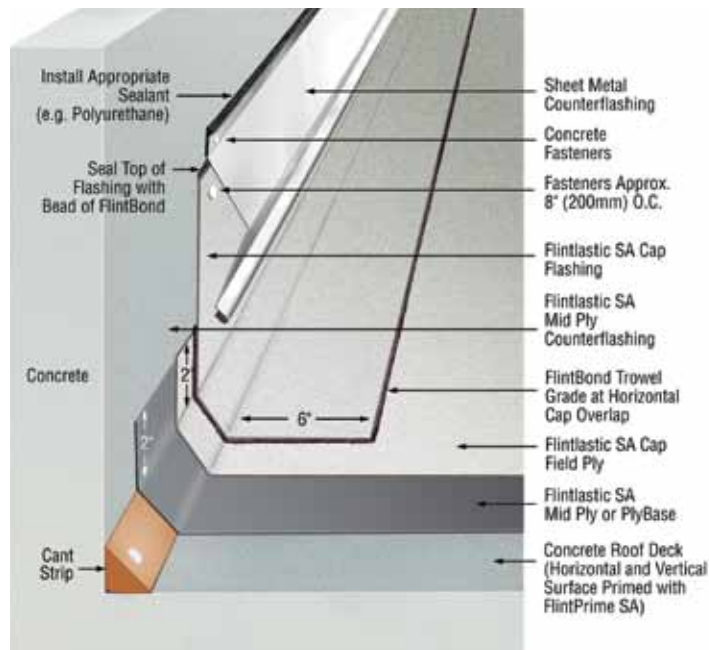
Alternate Parapet Wall



Scupper Detail

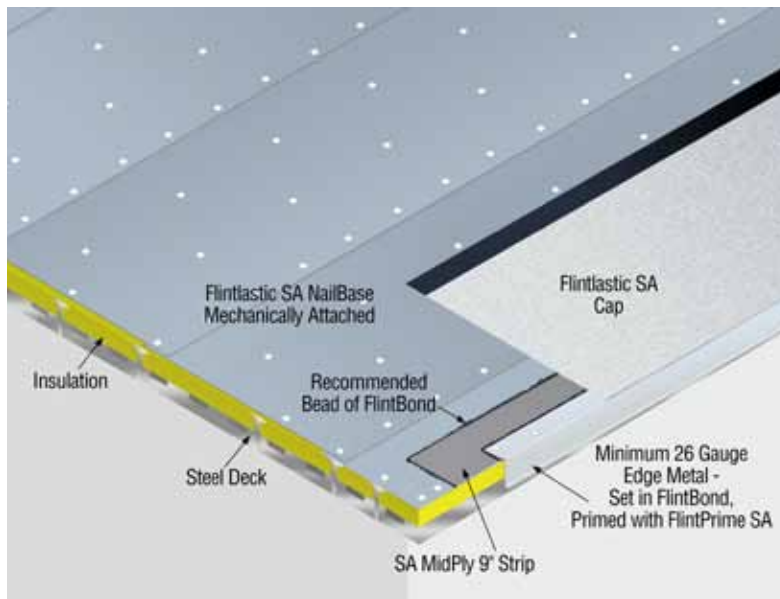


Concrete Wall Termination with Surface Mount Flashing

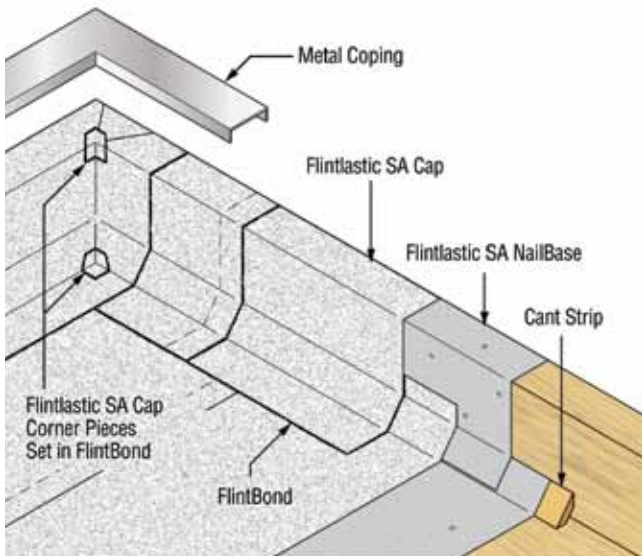


Typical Construction Details - Flintlastic SA 2-Ply System

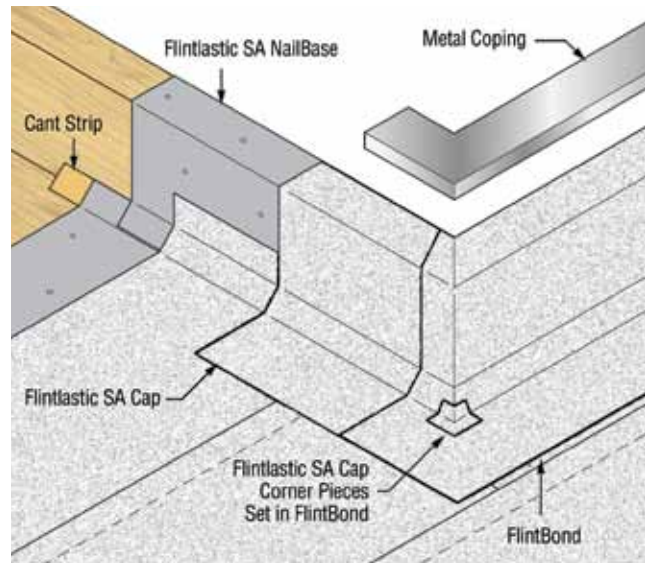
Edge Detail



Inside Corner



Outside Corner



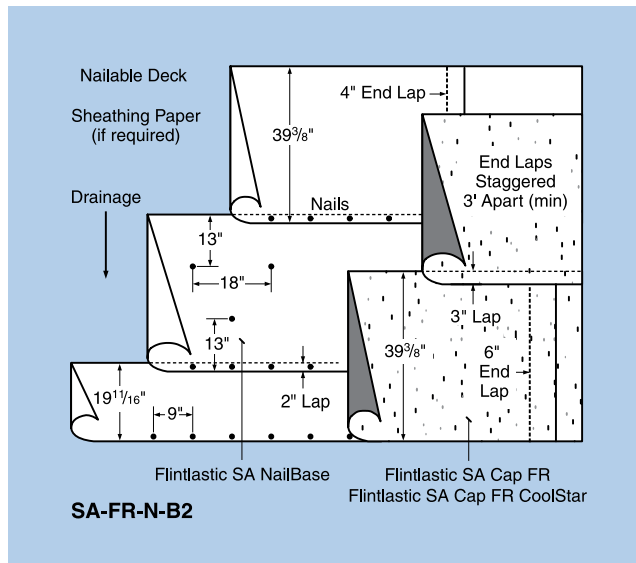
2-Ply System Specifications

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)*	41 lbs.
Flintlastic SA Cap FR (1 ply)	88 lbs.
Approximate Total Weight*	129 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.

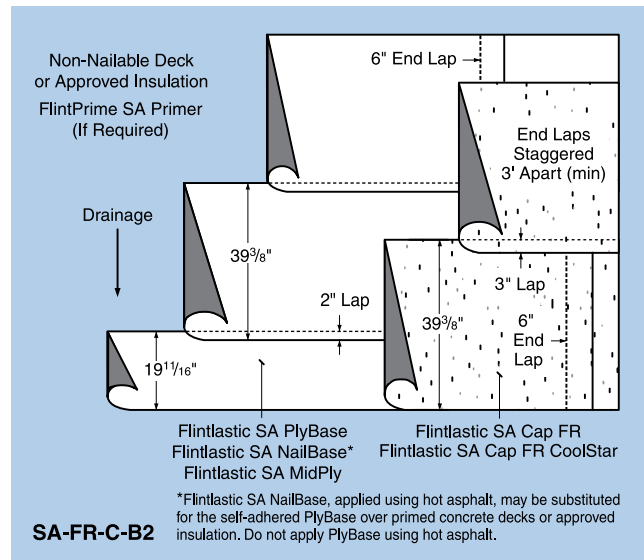
SPECIFICATION: SA-FR-C-B2 Maximum Warranty Duration 12-year NDL

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 100ft ²)	<1 lbs.
Flintlastic SA PlyBase (1 ply)*	43 lbs.
Flintlastic SA Cap FR (1 ply)	88 lbs.
Approximate Total Weight**	132 lbs.

*Or 41 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

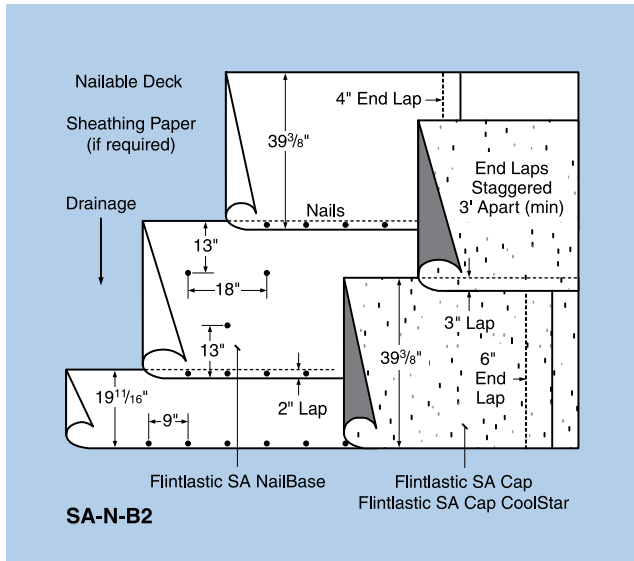
SPECIFICATION: SA-N-B2

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)	41 lbs.
<u>Flintlastic SA Cap (1 ply)</u>	<u>95 lbs.</u>
Approximate Total Weight	136 lbs.

Note: Flintlastic SA MidPly (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

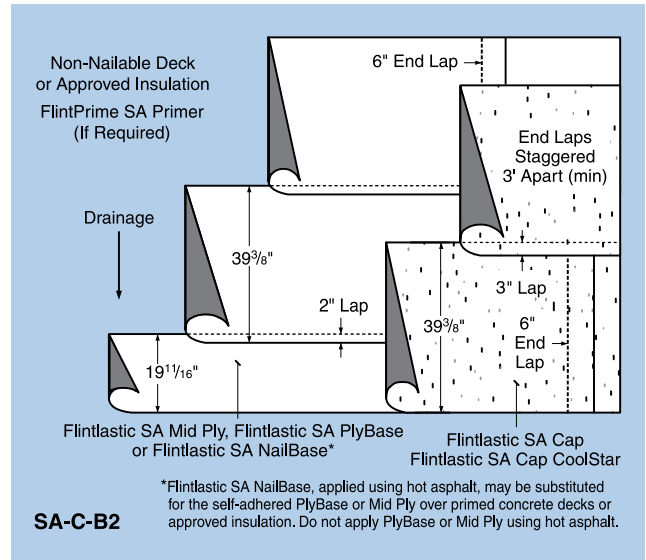
Flintlastic SA NailBase sheet, applied using hot asphalt,

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 ²)	<1 lbs.
Flintlastic SA PlyBase (1 ply)*	43 lbs.
<u>Flintlastic SA Cap (1 ply)</u>	<u>95 lbs.</u>
Approximate Total Weight**	139 lbs.

*Or 41 lbs plus the asphalt if Flintlastic SA NailBase mopped to primed concrete.

**Plus insulation if used.

Note: Flintlastic SA MidPly (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

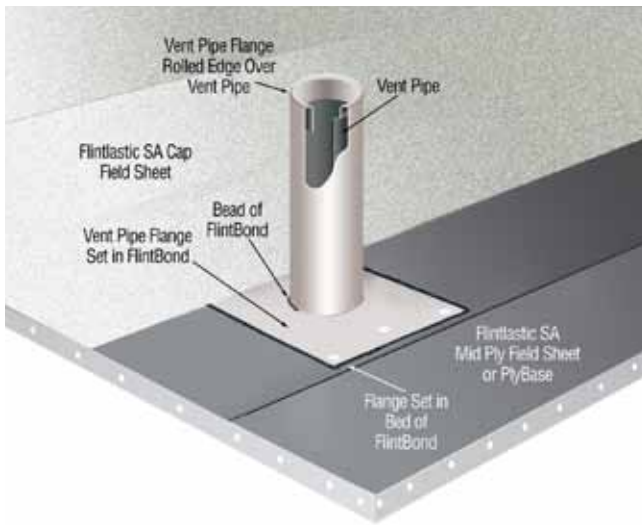
In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

Roof System Ventilation

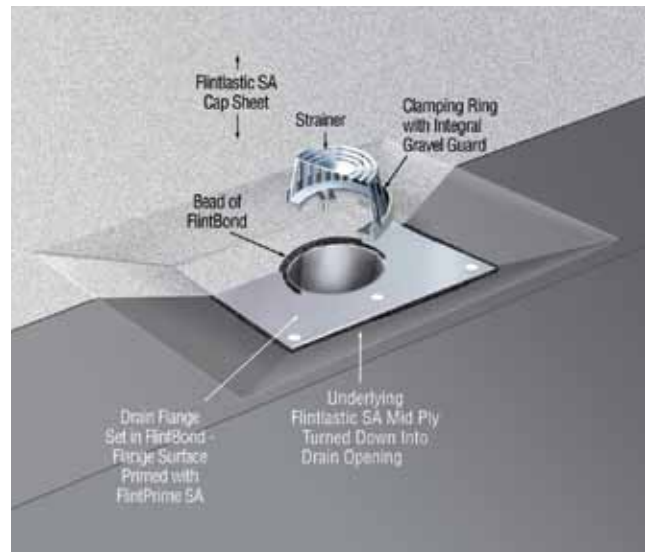
Roof system as shown requires ventilation as per NRCA recommendations.

Typical Construction Details - Flintlastic SA 3-Ply System

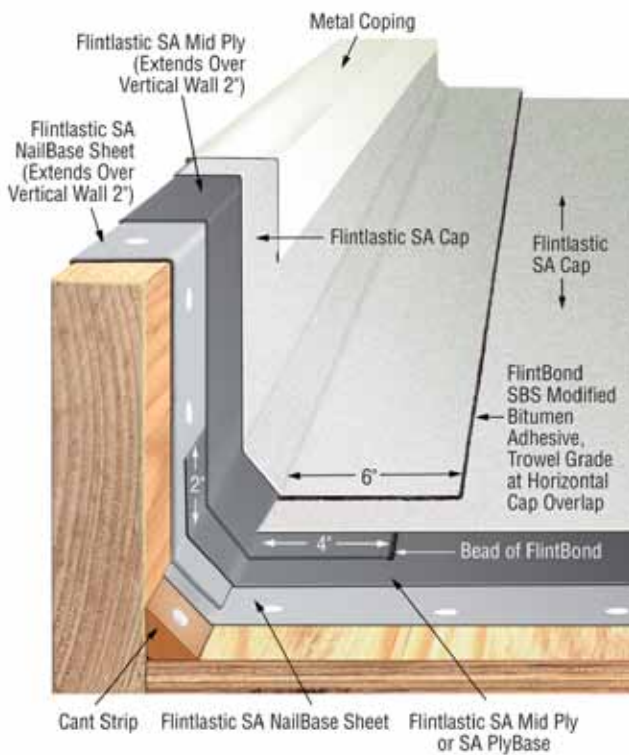
Vent Pipe Collar Detail



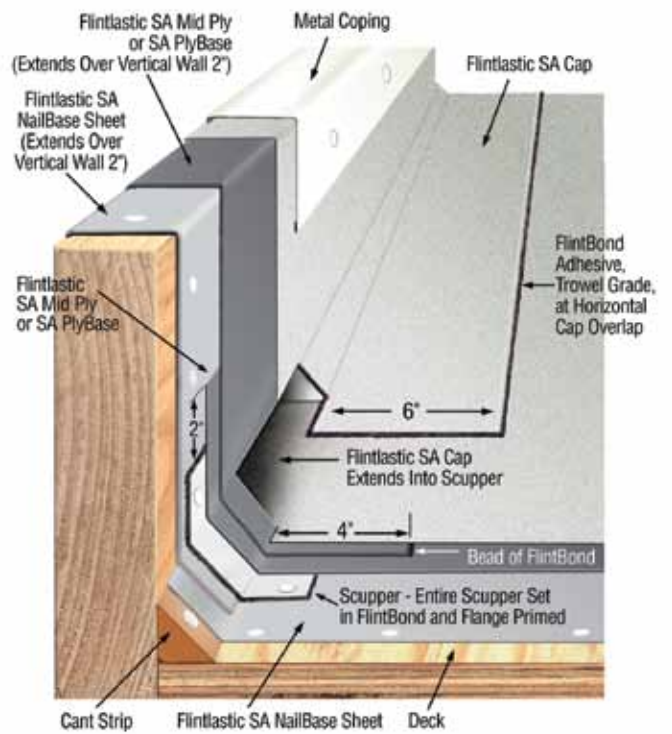
Drain Detail



Parapet Wall

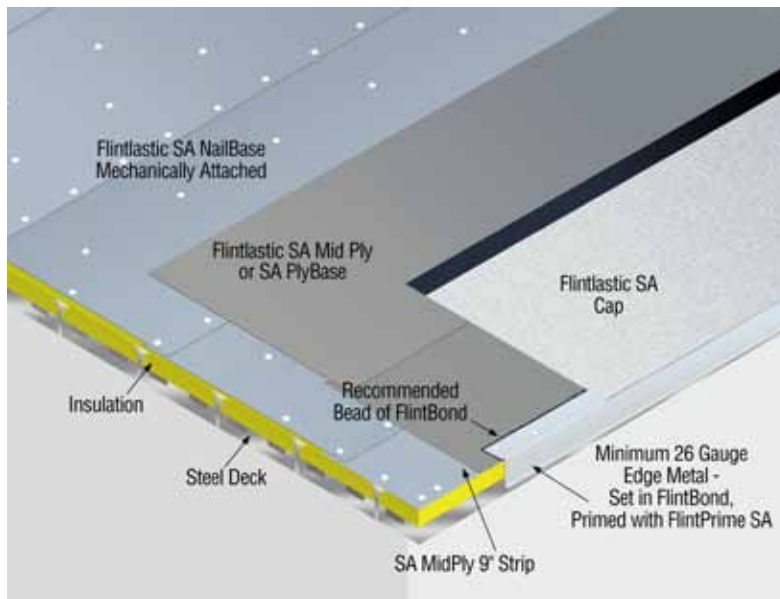


Scupper Detail

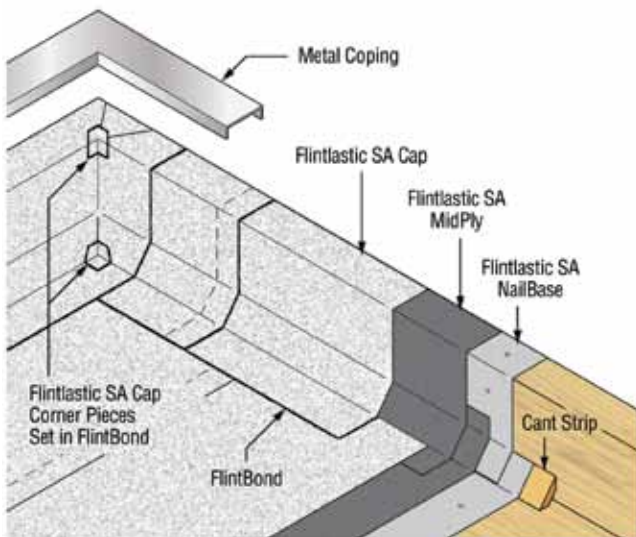


Typical Construction Details - Flintlastic SA 3-Ply System

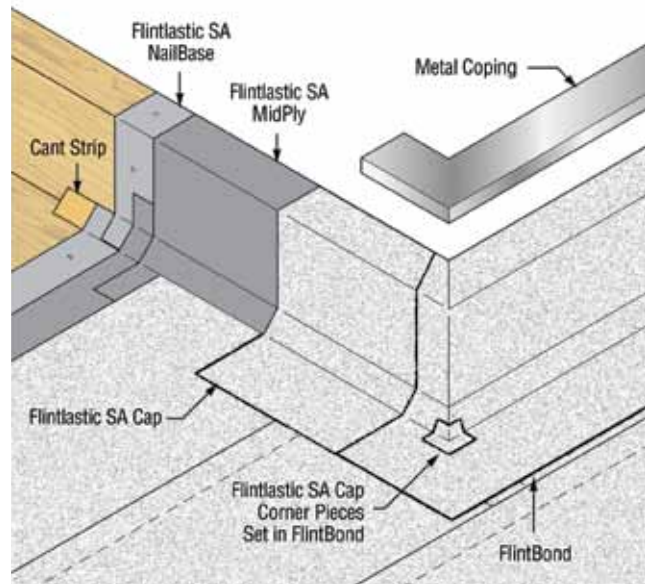
Edge Detail



Inside Corner



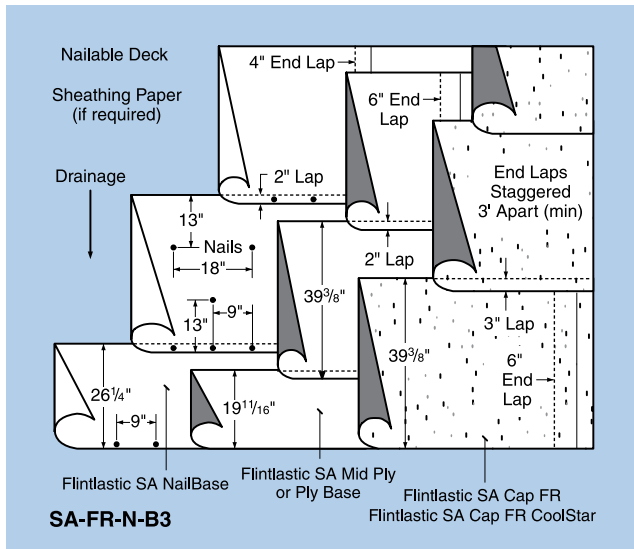
Outside Corner



3-Ply System Specifications

SPECIFICATION: SA-FR-N-B3 Maximum Warranty Duration 15-year NDL

Flintlastic SA NailBase sheet, nailed.
 Flintlastic SA MidPly, 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)	41 lbs.
Flintlastic SA MidPly (1 ply)	64 lbs.
Flintlastic SA Cap FR (1 ply)	88 lbs.
Approximate Total Weight	193 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

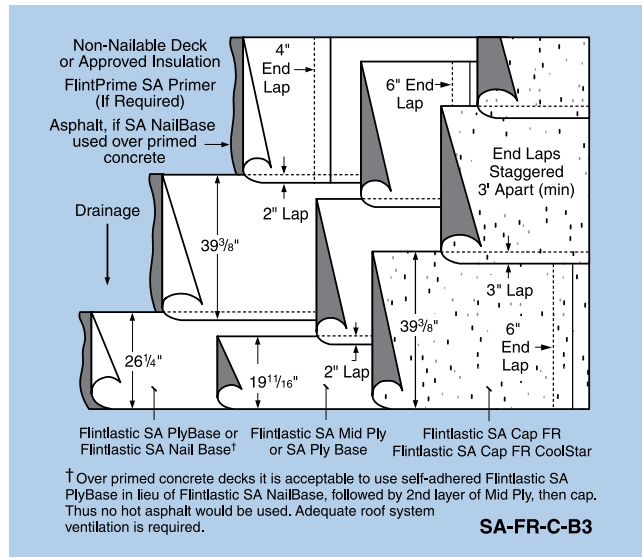
In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

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 MidPly, 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 ²)	<1 lbs.
Flintlastic SA PlyBase Sheet (1 ply)	43 lbs.
Flintlastic SA MidPly (1 ply)	64 lbs.
Flintlastic SA Cap FR (1 ply)	88 lbs.
Approximate Total Weight*	196 lbs.

*Plus insulation as applicable.

Note: Flintlastic SA MidPly (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

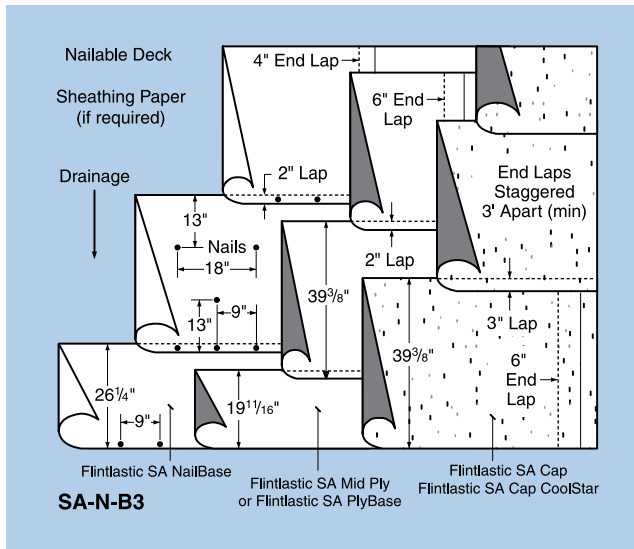
Maximum Warranty Duration 15-year NDL and 20-year NDL

Flintlastic SA NailBase sheet, nailed.

Flintlastic SA MidPly, 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)	41 lbs.
Flintlastic SA MidPly (1 ply)	64 lbs.
Flintlastic SA Cap (1 ply)	95 lbs.
Approximate Total Weight	200 lbs.

Note: Flintlastic SA MidPly (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

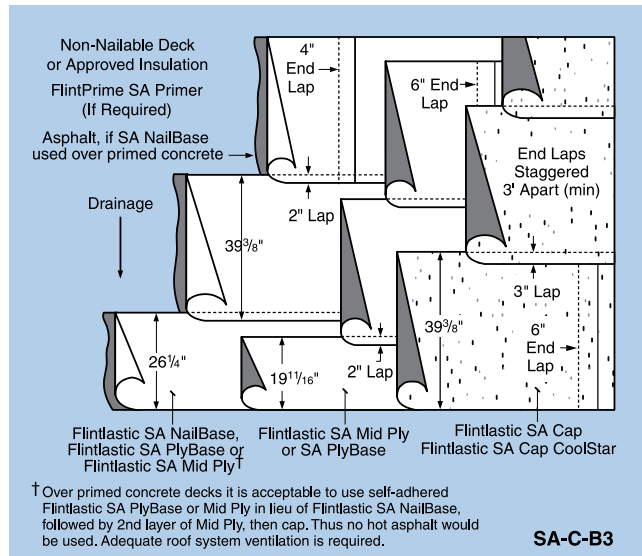
Maximum Warranty Duration 15-year and 20-year NDL

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

Flintlastic SA MidPly, 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 ²)	<1 lbs.
Flintlastic SA PlyBase Sheet (1 ply)	43 lbs.
Flintlastic SA MidPly (1 ply)	64 lbs.
Flintlastic SA Cap (1 ply)	95 lbs.
Approximate Total Weight*	203 lbs.

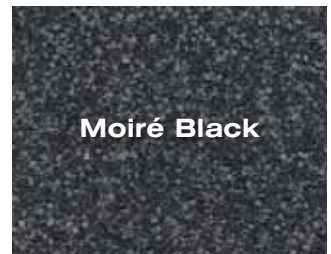
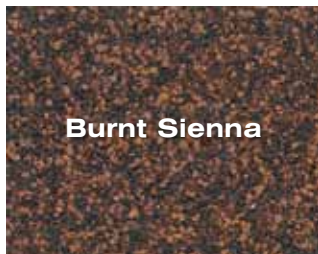
*Plus insulation as applicable.

Note: Flintlastic SA MidPly (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.

	Flintlastic SA NailBase	Flintlastic SA PlyBase	Flintlastic SA Mid Ply	Flintlastic SA Cap	Flintlastic SA Cap FR
Roll Dimensions	64'6" x 39-3/8"	64'6" x 39-3/8"	32'1" x 39-3/8"	32'11" x 39-3/8"	32'11" x 39-3/8"
Thickness	1.5 mm	1.5 mm	3.0 mm	4.0 mm	3.2 mm
Weight	82 lbs	86 lbs	64 lbs	95 lbs	88 lbs.
Coverage	2 Squares	2 Squares	1 Square	1 Square	1 Square
Top Surface	Permanent Film	Permanent Film	Permanent Film	Mineral	Mineral
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
Tensile (lb/in)	65/40 (MD/CD)	65/40 (MD/CD)	80/60 (MD/CD)	80/60 (MD/CD)	60/55 (MD/CD)
Elongation (%)	6/5 (MD/CD)	6/5 (MD/CD)	50/55 (MD/CD)	50/55 (MD/CD)	4/4 (MD/CD)
Packaging	Palletized, Bands 20 Rolls Per Pallet	Individual Cartons 20 Rolls Per Pallet	Individual Cartons 20 Rolls Per Pallet	Individual Cartons 20 Rolls Per Pallet	Individual Cartons, 20 Rolls Per Pallet



CertainTeed Full Systems



BUR (Built-Up Roofing)



APP Modified Bitumen



SBS Modified Bitumen



Self-Adhering SBS Modified Bitumen



Primer



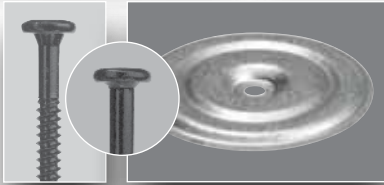
Adhesive



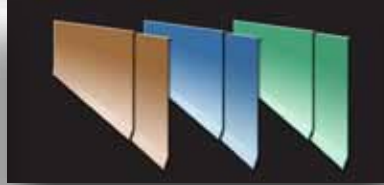
Coating



Repair



Fasteners



FlintEDGE™



Insulation

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

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

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