



Flintlastic® SA Cold Lap Tape/  
Applicator Guide

# ARCTIC EDGE™

A use-as-needed auxiliary tape  
engineered to support Flintlastic SA  
application in temperatures between  
35°F-49°F (2°C-9°)



**CertainTeed**

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20 Moores Road, Malvern, PA 19355 Professional: 800-233-8990 Consumer: 800-782-8777 [certainteed.com](http://certainteed.com)

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Flintlastic® SA self-adhered membranes deliver an excellent bond when ambient temperatures are 50°F and rising. Arctic Edge™ is a revolutionary auxiliary tape engineered to significantly boost Flintlastic SA adhesion in temperatures as low as 35°F. Extend the speed and safety benefits of Flintlastic SA into the cold season; use only as needed.

**The application instructions included herein are limited to Arctic Edge. Please refer to SA application instructions for self-adhered low-slope roof system installation.**

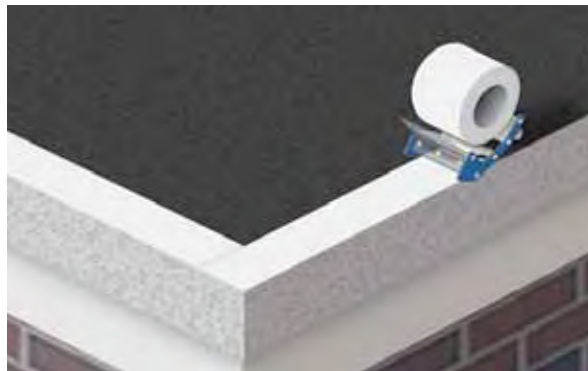
**Cold Weather Application Fundamentals**

- Cold weather application instructions shall be followed when ambient temperatures are below 49°F (9°C), Arctic Edge has been tested and approved for use in temperatures as low as 35°F (2°C)
- **NEVER INSTALL COLD ROLLS**  
Store rolls, tape and adhesives in a heated location and draw as needed; if materials have been exposed to cold temperatures, allow to warm to a minimum 50°F (10°C) in a heated environment before use; never use a torch to heat rolls
- No change to standard Flintlastic SA system layout with regards to starter row widths, side lap or end lap width or stagger requirements, see below
- Arctic Edge is used with self-adhering membranes; Arctic Edge is not used to install Flintlastic SA NailBase which is mechanically attached
- Arctic Edge is permitted to support adhesion to all approved Flintlastic SA substrates; see Flintlastic SA Low-Slope Substrate Guidelines Technical Bulletin
- Granule overlaps, such as, but not limited to, cap sheet end laps, require the use of a hot air welder and silicone roller; Arctic Edge does not adhere to granules
- Arctic Edge can be installed using a hand-held applicator or a stand-up applicator; a stand up applicator is recommended for long stretches of side lap application to enhance labor efficiency

FIELD DETAILS REFERENCE					
	2-Ply Systems		3-Ply Systems		
	Base	Cap	Base	Ply	Cap
Starter row width	19-11/16" (1/2 roll)	39-3/8" (full roll)	26-1/4" (2/3 roll)	19-11/16" (1/2 roll)	39-3/8" (full roll)
Side laps	2"	3"	2"	2"	3"
End laps, staggered 36"	4"	6"	4"	4"	6"

## PERIMETER AND METAL DETAILS

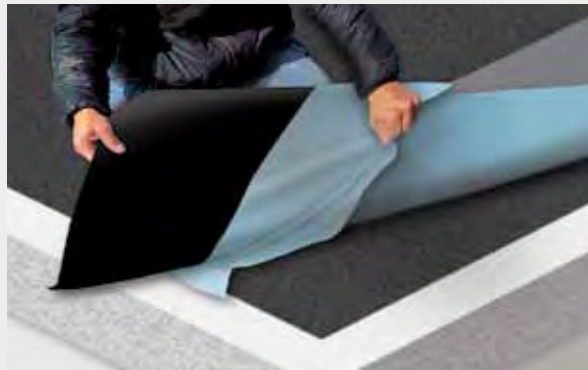
These instructions assume a two-ply system with a self-adhered base.



1. Beginning at the low point or leading edge of the roof, using handheld applicator, apply tape to the substrate flush to the edge.



2. Position SA base roll prior to removing release film from bottom surface of membrane OR from top surface of tape. Positioning shall allow for a 2" overhang at all roof edges.



3. With membrane in position for application, fold membrane back halfway lengthwise to remove the split release film.



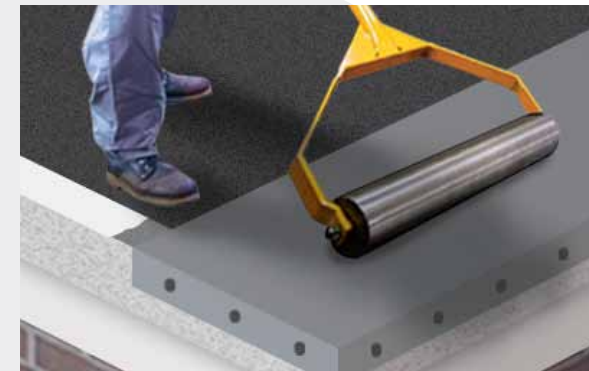
4. Remove tape release film to expose upper surface adhesive. TIP: At roof corners, score top surface of tape release film such that you only remove enough film to adhere first half of membrane; top surface of Arctic Edge™ WILL STICK to SA release film. NOTE: If, tape lifts up from the substrate, stop and apply pressure to tape. Work in manageable runs such that adhesive surfaces are not exposed for long periods prior to SA base application.



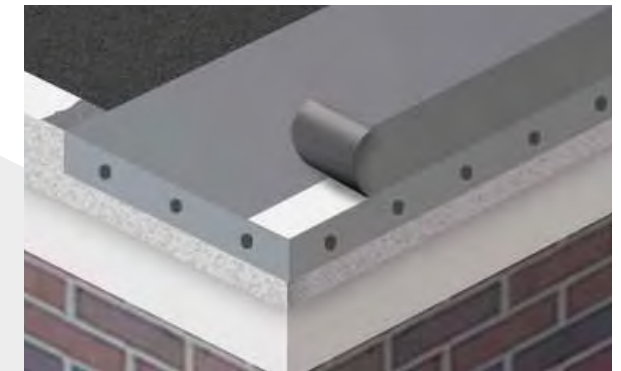
5. Press membrane securely into place, applying hand pressure along the leading 4" of the roof. Turn overhang over and fasten into vertical roof face, 4" on center (o.c.). Repeat adhesion in the field with the opposite half of the membrane.

## PERIMETER AND METAL DETAILS CONT'D

These instructions assume a two-ply system with a self-adhered base.



6. Use a heavy, weighted roller over the entire surface of the SA base 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.



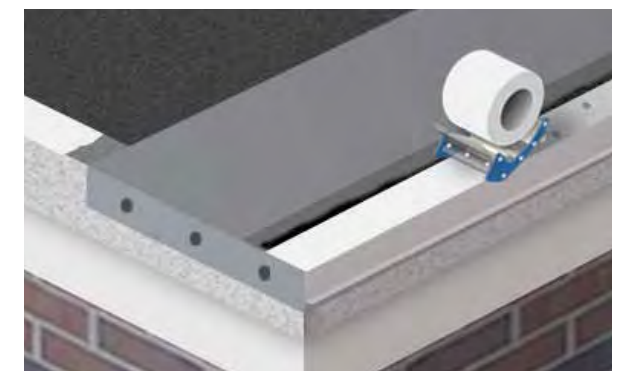
7. Repeat Arctic Edge™ application at leading edge of roof to support adhesion of 9" flashing strip. NOTE: Flashing strip is adhered flush to edge.



8. NOTE: Prior to preparing edge metal for application, clean with mineral spirits to remove passivation oils. Apply 1/8"-1/4" trowel of FlintBond® SBS-Modified Adhesive to bottom surface of edge metal, minimum 24 gauge. NOTE: FlintBond Adhesive shall be stored at 65°F when not in use.



9. Affix metal to roof edge and fasten in place, 4" o.c. staggered.

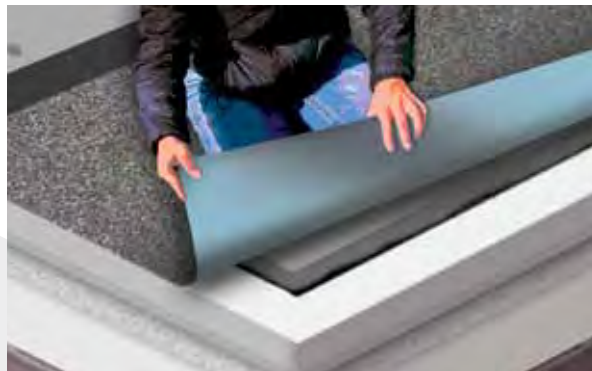


10. Apply Arctic Edge to top surface of metal. NOTE: In warm weather, FlintPrime® Aerosol would typically be utilized to prepare top surface of metal for cap sheet adhesion.

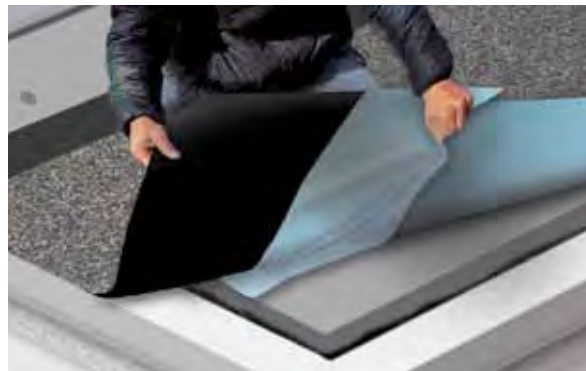
NOTE: As noted in Step 10, Arctic Edge shall replace FlintPrime Aerosol in the preparation of all metal details in cold weather, with the exception of spot priming the top surfaces of metal cap nails used to install Flintlastic® SA NailBase.

## PERIMETER AND METAL DETAILS CONT'D

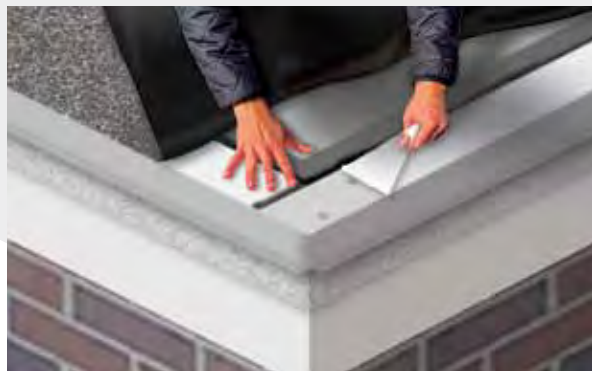
These instructions assume a two-ply system with a self-adhered base.



11. Position Flintlastic® SA Cap with selvage edge release strip at high side of roof and the opposite side flush to the roof's edge.



12. Once in position for application, fold the membrane back halfway lengthwise to remove the split release film.



13. Remove tape release film to expose upper surface adhesive and press membrane securely into place.



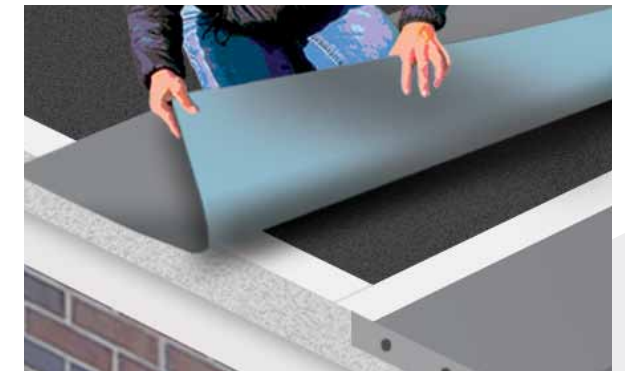
14. Use a heavy, weighted roller over the entire Cap surface to secure the membrane. Work from the center of the roll outwards across the width to eliminate air pockets; DO NOT roll lengthwise as it can cause the roll to stretch.

## SIDE LAPS — BASE OR INTERPLY

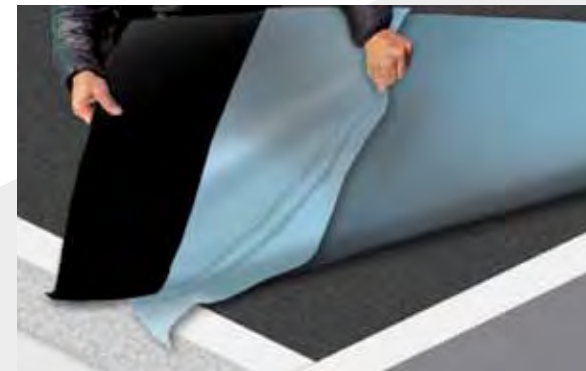
These instructions assume a two-ply system with a self-adhered base.



1. Apply Arctic Edge™ to trailing edge of the SA base (or interply) such that a minimum 2" of tape is applied to base (or interply) surface and 2" is applied to substrate (or base ply) surface. TIP: For long stretches of side lap application, a stand-up applicator is recommended to improve labor efficiency.



2. Position subsequent SA base membrane such that side lap overlaps a minimum 2".



3. Remove membrane release film.



4. Remove tape release film to expose adhesive surface.



5. Press membrane securely into place.



6. Use a heavy, weighted roller over the entire surface of the SA base 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.

## SIDE LAPS — CAPS

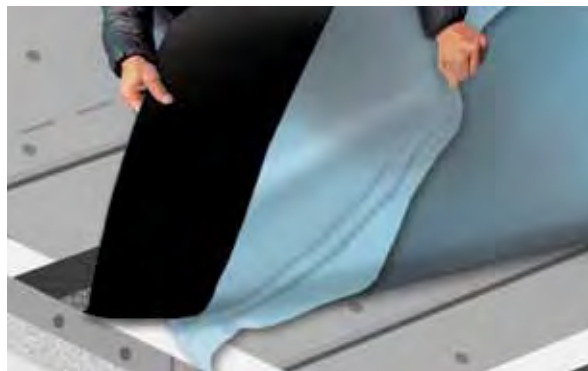
These instructions assume a two-ply system with a self-adhered base.



1. Apply Arctic Edge™ to trailing edge of the SA cap such that a minimum 3" of tape is applied selvage edge surface and 1" is applied to base or interply surface. TIP: For long stretches of side lap application, a stand-up applicator is recommended to improve labor efficiency.



2. Position subsequent SA cap membrane such that side lap completely overlaps selvage edge.



3. Remove membrane release film.



4. Remove tape release film to expose adhesive surface.



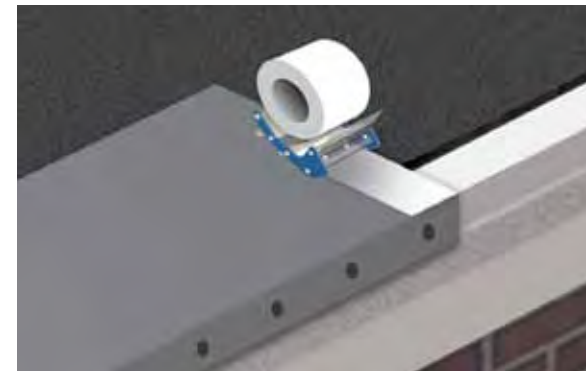
5. Press membrane securely into place.



6. Use a heavy, weighted roller over the entire surface of the SA base 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.

## END LAPS — BASE OR INTERPLY

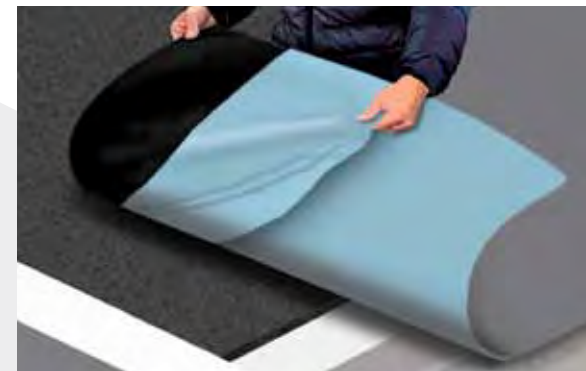
These instructions assume a two-ply system with a self-adhered base.



1. Apply Arctic Edge™ to trailing edge of the SA base (or interply) such that a minimum 4" of tape is applied to base (or interply).



2. Position subsequent SA base membrane to allow for a 4" end lap overlap.



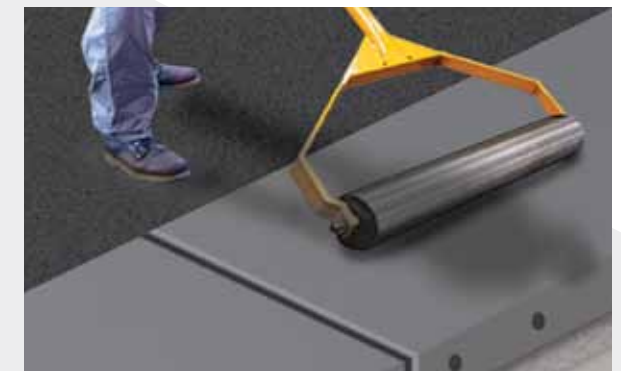
3. Remove membrane release film.



4. Remove tape release film to expose adhesive surface.



5. Press membrane securely into place.



6. Use a heavy, weighted roller over the entire surface of the SA base 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.

## END LAPS — CAPS

Arctic Edge™ is not for use with granule overlaps such as cap sheet endlaps. During cold weather application, utilize heat and pressure from a hot air welder and silicone roller. A hot air welder with a 2"-3" tip shall be set between 900°F-1,100°F (setting 8-10).



1. Apply heat to the overlapped granulated surface while rolling the overlapping 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. A 6" endlap requires two-three passes depending on welder tip size.



2. Apply a bead of FlintBond® Caulk along the edge. NOTE: FlintBond Adhesive shall be stored at 65°F when not in use.



3. OPTIONAL: Broadcast FlintRock™ roofing granules into wet adhesive for aesthetics.

## FLINTLASTIC® SA CAP COLORS

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



Colors shown in samples and marketing literature may be slightly different than the installed product. Granule blends may vary slightly from one production run to the next but are often undistinguishable upon installation.

	Flintlastic SA NailBase	Flintlastic SA PlyBase	Flintlastic SA MidPly	Flintlastic SA Cap	Flintlastic SA Cap FR
<b>Roll Dimensions</b>	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"
<b>Thickness</b>	1.5 mm	1.5 mm	2.8 mm	4.0 mm	3.2 mm
<b>Weight</b>	82 lbs	86 lbs	63 lbs	95 lbs	88 lbs.
<b>Coverage</b>	2 Squares	2 Squares	1 Square	1 Square	1 Square
<b>Top Surface</b>	Permanent Film	Permanent Film	Permanent Film	Mineral	Mineral
<b>Bottom Surface</b>	Sand	Removable Release Film	Removable Release Film	Removable Release Film	Removable Release Film
<b>Reinforcement</b>	Fiberglass Mat	Fiberglass Mat	Fiberglass Mat	Non-Woven Polyester Mat	Heavy Duty Fiberglass Mat
<b>Tensile (lb/in)</b>	65/40 (MD/CD)	65/40 (MD/CD)	75/50 (MD/CD)	85/67 (MD/CD)	64/58 (MD/CD)
<b>Elongation (%) (at peak load)</b>	6/5 (MD/CD)	6/5 (MD/CD)	5/5 (MD/CD)	61/66 (MD/CD)	4/4 (MD/CD)

