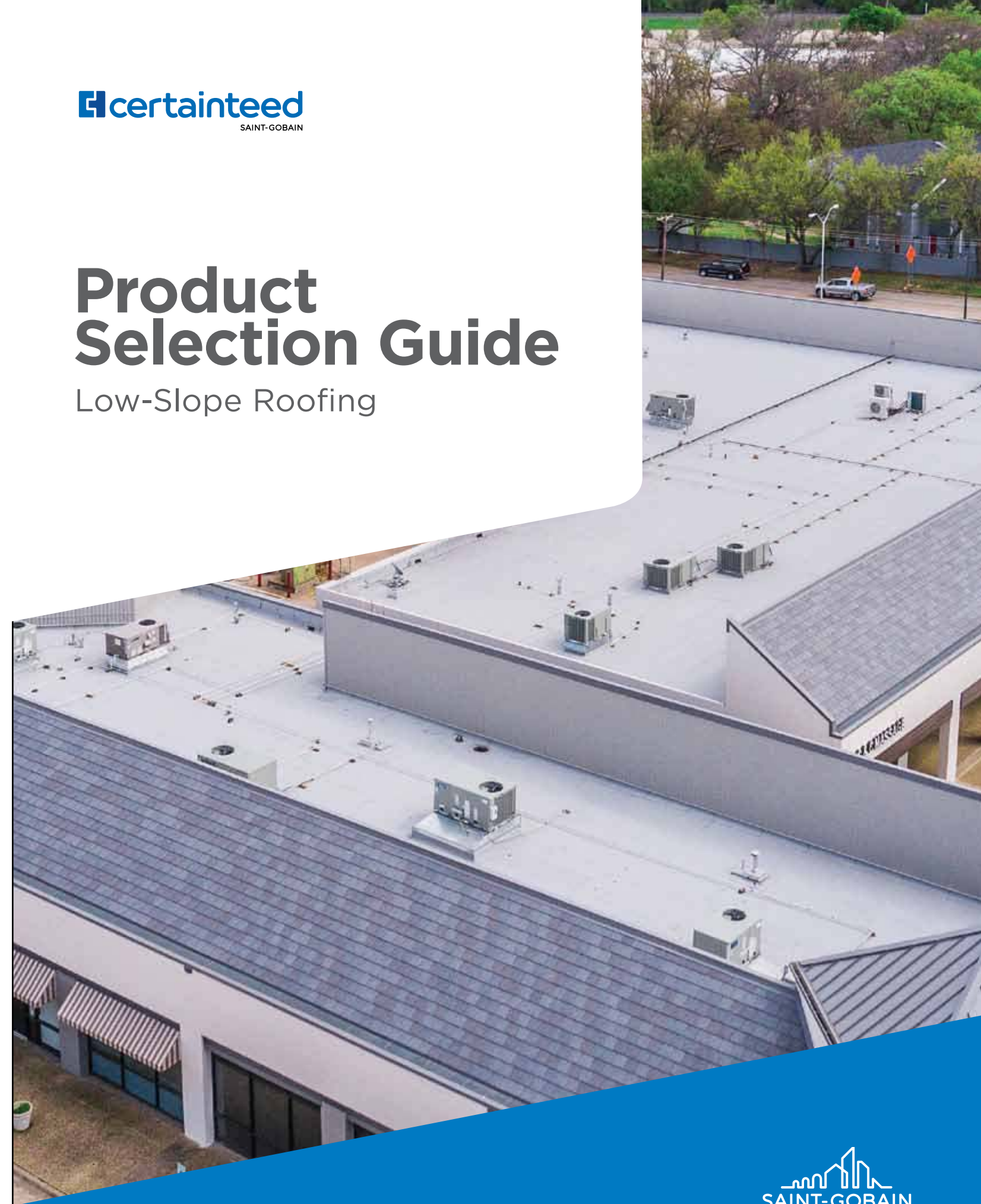


With a **portfolio of commercial and residential roofing products** and quality standards that lead the industry, you can rest easy knowing CertainTeed has you covered.



# Product Selection Guide

## Low-Slope Roofing



**CertainTeed**

CEILINGS • GYPSUM • INSULATION • ROOFING • SIDING • TRIM

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

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# Asset Protection and Continuity of Service

## A roof is an assurance policy.

In most cases, building owners aren't concerned with the particular material their roof is made out of, as long as it performs. The function of a roof is to protect what's inside the building – the structure, its contents and occupants. The roof shields a building from damage to these assets. What building owners are really looking for is performance. They're looking for durability. Warranties cover leak repair, not asset damage or disruption of service. Every investment decision an owner makes should include an understanding of needs and weighing the value of price versus risk.

## Your reputation is on the line.

Where does the finger point when a roof leaks? The roofing contractor. Statistics show that faulty installation is the primary cause of roof leaks. That means, regardless of the leak source, your relationship with your customer and your reputation are on the line with each installation. You're not just in the roofing business, you're in the **"Asset Protection & Continuity of Service"** business.

## A portfolio of quality roofing materials.

CertainTeed offers a complete line of asphalt-based roof systems and roof restoration products including: BUR (non-modified asphalt or built-up roofing), SBS and APP-modified systems, silicone and acrylic liquid-applied roofing systems, complemented by comprehensive low-slope accessories including primers, adhesives, insulation, repair solutions, liquid flashing and edge metal. You can recommend the right solution for your customer based on their performance needs.



# Support

We are equally committed to manufacturing consistent, quality products to protect your assets *and* supporting their order, delivery, installation and maintenance. CertainTeed offers professional, live support in the United States and Canada.

## Commercial Roofing General Support

Monday through Friday from 7:00 AM to 6:30 PM, Eastern Standard Time.

**NORTH EAST** - Lake Central, North East, & Mid-Atlantic

Phone: 800-537-2974 / Fax: 800-279-9450 / Email: [ctrpgcsnortheast@saint-gobain.com](mailto:ctrpgcsnortheast@saint-gobain.com)

**SOUTH ATLANTIC / SOUTH EAST**

Phone: 800-334-6639 / Fax: 800-345-2641 / Email: [ctrpgcssoutheast@saint-gobain.com](mailto:ctrpgcssoutheast@saint-gobain.com)

**WEST** - North West & South West

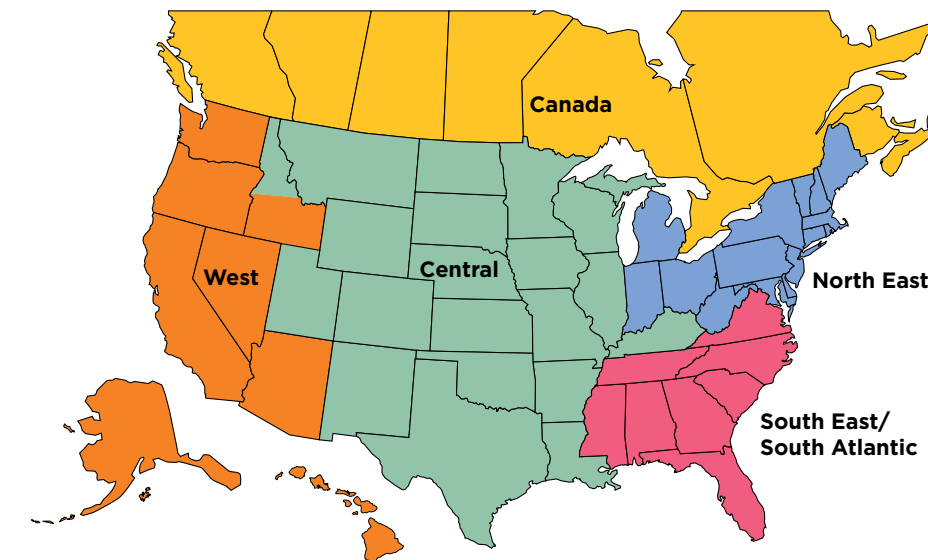
Phone: 800-238-0958 / Fax: 800-790-3347 / Email: [ctrpgcswest@saint-gobain.com](mailto:ctrpgcswest@saint-gobain.com)

**CENTRAL** - North Central and South Central

Phone: 800-999-5150 / Fax: 800-999-5350 / Email: [ctrpgcscentral@saint-gobain.com](mailto:ctrpgcscentral@saint-gobain.com)

**CANADA**

Phone: 888-240-0542 / Fax: 610-254-5423 / Email: [roofordersCA@saint-gobain.com](mailto:roofordersCA@saint-gobain.com)



## Commercial Roofing Technical Services

CertainTeed has a team of seasoned low-slope professionals available for technical support Monday through Friday, 8:30 AM to 5:00 PM, Eastern Standard Time.  
Phone: 800-396-8134 ext. 2  
[rpg@saint-gobain.com](mailto:rpg@saint-gobain.com)

## Joe Knows Commercial Roofing



You should too!





# One Brand One Warranty

**CertainTeed offers a comprehensive selection of high-quality roofing products needed to complete and maintain the entire roof system with confidence.**

Through the responsible development of innovative and sustainable building products, CertainTeed has helped shape the building products industry for more than 115 years. We start with the highest-quality raw materials and add state-of-the-art technology to monitor our manufacturing processes and test our finished products. The result is superior performance from beginning to end, backed by one of the strongest warranties in the industry.

# One Solution

**A low-slope roof system is comprised of layers of individual products.**

While not every roof system uses every product, this Product Selection Guide is organized to correlate with the anatomy of a low-slope roof, or the order in which products are typically utilized.

|                                                               |    |
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# FlintBoard®

FlintBoard roof insulation slows the flow of heat into and out of the building through the roof deck, reducing energy costs for building owners as well as thermal strain to the roof system.

FlintBoard closed-cell polyisocyanurate insulation board offers the highest R-value (resistance to heat flow) per inch available and long-term thermal resistance values (LTTR\*) from 5.7 to 27, LTTR. FlintBoard HD (High Density) may also serve as a lighter weight cover board, as compared to more traditional gypsum-based options.

- Dimensionally stable and suitable for almost any climate
- Lightweight for easy handling and installation
- Engineered for use with built-up and modified asphalt roof systems, shingles, tile and slate
- Passes the strictest fire performance tests, having earned FM 4470 Class 1 and UL 1256 ratings; ASTM C1289, see Technical Data Sheets for code compliance information

\*LTTR is the industry standard method for calculating the 15-year time-weighted average for roof insulation.

### Tapered Design Services

CertainTeed offers takeoff, technical and design services to remove complications from the bid process. Standard and extended panels are available.



Vapor barriers are sometimes specified beneath insulation in a low-slope roof system to prevent moisture from within the building penetrating the roof system. All CertainTeed Flintlastic membranes may be utilized as vapor barriers when fully adhered.

| Product                                    | Description                                                                                                                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FlintBoard ISO/ISO-T (T=Tapered)           | Workhorse product features heavy, black (non-asphaltic), organic fiber-reinforced felt facers. 4'x4' (standard or tapered), 4'x8'                                                                         |
| FlintBoard ISO Cold/ISO-T Cold (T=Tapered) | Features heavy-duty inorganic glass-reinforced facers for improved dimensional stability, ideal for cold-applied adhesive applications 4'x4' (standard or tapered), 4'x8'                                 |
| FlintBoard ISO NB                          | Features foam core laminated to 7/16", 5/8" or 3/4" OSB or plywood, fiber-reinforced felt facer on bottom surface- eliminates the need for additional wood decking. 4'x4', 4'x8'                          |
| FlintBoard ISO CV                          | Features foam core with 1", 1.5" or 2" ventilation channels bonded to 7/16", 5/8" or 3/4" OSB or plywood, fiber-reinforced felt facer on bottom surface- excellent for sloped, unvented roof decks. 4'x8' |
| FlintBoard ISO Pre-Cut Crickets            | Provides a standardized pre-fabricated cricket solution to promote positive drainage Unfolds to 12'x4', 1/4":12 and 1/2":12 slopes                                                                        |
| FlintBoard ISO HD Cover Board              | Lightweight (11 lbs per 4'x8' panel), quicker to install than heavier gypsum-based boards, high density polyiso insulation designed for use as a cover board. 4'x4', 4'x8'                                |
| Hinged Target Sump                         | Save 74% in material and waste costs over field fabricated sumps when installing drains. Manufactured with FlintBoard ISO Cold 25 psi.                                                                    |



**Joe Knows Commercial Roofing**  
You should too!  
Watch installation.

# Millennium

CertainTeed offers a variety of roof insulation adhesives to decrease labor and eliminate the potential for thermal bridging without compromising a strong, durable bond. Insulation adhesive is designed for use with 4'x4' FlintBoard® insulation panels.

|              | Millennium One Step™ Foamable Adhesive                                          | Millennium One Step Green® Foamable Adhesive | Millennium PG-1 Low Viscosity Adhesive | Millennium PG-1 EF ECO                      |
|--------------|---------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------|---------------------------------------------|
| Material     | Polyurethane Foam                                                               | Polyurethane Foam (45% renewable content)    | Polyurethane Foam                      | Polyurethane Foam (No High GWP Propellants) |
| Temperature  | No Minimum                                                                      |                                              | 40°F and Rising                        | 40°F and Rising                             |
| Install Time | None - Immediate installation                                                   |                                              | Before Skinning                        | Before Skinning                             |
| Packaging    | 1.5 liter cartridges                                                            |                                              | 5G, 15G, 50G                           | 43 lb. and 49 lb. Canisters                 |
| Application  | Manual Battery Powered Single Bead, Multi-Bead Applicator, Pneumatic Applicator |                                              | Cyclone                                | Hoses and Nozzles Included in Set           |

### Millennium One Step Advantages

- Precise 1:1 application ratio every time
- Consistent adhesive in varying temperature or humidity
- No temperature restrictions - one year round formula
- Will not suffer from foam collapse
- High viscosity = wider footprint and stronger bond
- Labor saving - boards go down immediately
- Essentially VOC free and solvent free
- No chance of overspray - no respirator needed



Battery Powered Applicator (One Step)



Multi-Bead Applicator (One Step) (Pump Grade)



Cyclone Applicator



# FlintPrime® QD (Quick Dry)

## Why Prime?

Primer is used to increase adhesion of the membrane to certain substrates, where the membrane will be applied directly to the substrate (not mechanically attached). Enhance adhesion, wind uplift resistance and long-term performance of BUR and modified bitumen roof systems with FlintPrime QD.

| Product            | Color | Packaging | Units/Pallet                   | Yield/Unit        |
|--------------------|-------|-----------|--------------------------------|-------------------|
| FlintPrime QD      | Black | 1G        | 150                            | 100-200 sq. ft.   |
| FlintPrime QD      | Black | 5G        | 48                             | 500-1,000 sq. ft. |
| FlintPrime Aerosol | Black | 15 oz.    | 960 (80 cartons, 12 cans each) | 30-40 sq. ft.     |



## FlintPrime QD

FlintPrime QD is a solvent-based, highly penetrating, quick-dry asphaltic primer designed to promote adhesion when installing self-adhered modified bitumen base sheets and/or those applied by torch, cold adhesive or hot asphalt.



## FlintPrime Aerosol

FlintPrime Aerosol is valued by contractors for metal construction detail surface preparation.



**Joe Knows Commercial Roofing**  
You should too! Watch for when to use with Flintlastic SA

**TIP:** Top load CertainTeed asphaltic primers and adhesives on full truckloads for no additional freight. Full pallet orders not required.

# FlintBond®

Seal your SBS-modified roof system watertight with FlintBond SBS-Modified Adhesive, available in brush, trowel and caulk grades. FlintBond is a professional-grade, cold-applied adhesive manufactured using premium asphalt, rubber, solvent and fibers.



## FlintBond Caulk

Small construction details and flashing seams



## FlintBond Trowel

Construction details such as endlaps and edge metal



## FlintBond Brush

Small to large low-slope applications, for field membranes

| Product | Color | Packaging | Units/Pallet     | Yield/Unit               |
|---------|-------|-----------|------------------|--------------------------|
| Caulk   | Black | 10.1 oz.  | 576 (48 cartons) | 24 linear ft (1/4" bead) |
| Trowel  | Black | 3G        | 64               | 36-39 sq. ft.            |
| Trowel  | Black | 5G        | 48               | 60-65 sq. t              |
| Brush   | Black | 5G        | 48               | 330-500 sq. ft.          |

- Superior bond in field and laps
- Pliable in cold temperatures
- Excellent elongation/recovery
- Meets or exceeds ASTM D3019, Type III and ASTM D4479, Type I
- UL Listed
- Miami-Dade approved

## Millennium Hurricane Force®

1-Part Adhesives are highly elastomeric, one-part asphalt modified urethane adhesives that is solvent free and does not require mixing.

| Product           | Packaging | Units/Pallet | Yield           |
|-------------------|-----------|--------------|-----------------|
| Membrane Adhesive | 5G        | 36           | 300-500 sq. ft. |
| Flashing Adhesive | 5G        | 36           | 60-75 sq. ft.   |



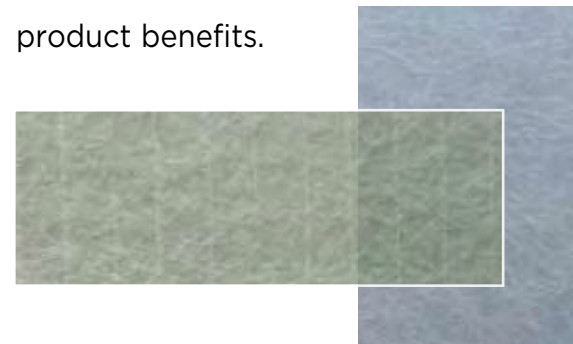
**Joe Knows Commercial Roofing**  
You should too! Watch for using FlintBond for Flintlastic SA Endlaps.



# Understanding Products and Systems

**Low-slope roofing products come together to form a low-slope roofing system.**

CertainTeed offers a range of roll good and liquid-applied products, which equate to hundreds of system configurations, specification and restoration options. In an effort to simplify system selection, this Product Selection Guide highlights our recommended systems by application, their value, and individual product benefits.



## Asphaltic Products & Systems

**Asphaltic products and systems have five main components for differentiation:**

### Material

CertainTeed offers non-modified and polymer-modified bituminous (asphalt-based) roll goods. Non-modified asphalt products are categorized as built-up roofing (BUR). These products are permeable so that hot asphalt can flow through the product as layers are “built up” on the roof, resulting in a relatively thick, watertight roof system. APP-modified products are manufactured with atactic polypropylene-infused asphalt which increases material strength and toughness, especially in high UV areas. SBS-modified products are manufactured with styrene-butadiene-styrene infused asphalt which increases flexibility, especially in low temperatures. Roof systems may consist of one or multiple materials depending on the desired performance, warranty, and cost.



### Reinforcement

Reinforcement mats serve as the structure to asphaltic low-slope roll goods. They are saturated and coated with non-modified or modified asphalt. CertainTeed offers low-slope products with either fiberglass mat or polyester mat at varying thicknesses.

**Fiberglass** stands up well to heat and tension. Its inherently high melting point affords superior fire resistance when combined with a fire-retardant asphalt formulation. Fiberglass-reinforced products applied in hot asphalt retain excellent dimensional stability. Additionally, fiberglass has superior tensile strength. When combined with SBS-modified asphalt, the sheets will resist roof movement until the stress absorbed in the mat forces a break.

**Polyester's** predominant benefits are puncture resistance and high elongation. Polyester products handle rooftop foot traffic better. They can also cyclically absorb the strain of building movement and return back to their original dimension.

### Additives

In addition to the modification of asphalt with APP or SBS polymers, CertainTeed blends certain products with additives to further enhance desired performance characteristics.

“FR” products, for example, are manufactured with proprietary additives to increase fire-resistance.



### Warranty

The driving factor for system selection is most often warranty duration. CertainTeed offers system dependent, standard warranty durations between ten and twenty-five years. Additionally, Star Contractors can increase warranty durations 25% by engaging in an Integrity Maintenance Contract with their client.

**CertainTeed offers three asphaltic membrane warranty options:**  
**Asphaltic Membrane Limited Warranty on Materials**  
**Integrity Roof System Limited Warranty**  
**Integrity Roof System No Dollar Limit (NDL) Limited Warranty**  
 See Product and System Guarantee section for more details.

### Application

Low-slope bituminous products are installed utilizing one of **five** methods:

- Mechanical Fastening
- Mopped with Hot Asphalt
- Applied with Cold Adhesive
- Torch-Welded
- Self-Adhered

This Selection Guide categorizes products and systems by application method, though some systems utilize multiple methods and some products can be installed in a variety of ways. Each application method has benefits and limitations:

|               | Benefit                                                                                                               | Limitation                                                                                                |
|---------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Fasteners     | Fast installation, allows the product to move with the roof.                                                          | Penetrations allow water incursion; method is only feasible for base/anchor sheets.                       |
| Hot Asphalt   | Proven, durable, cost-effective material.                                                                             | Fumes/odor, burn-risk, cost and availability of trained labor and equipment.                              |
| Cold Adhesive | No kettle, minimal tools, very good adhesion when applied correctly.                                                  | Takes up to 60 days to cure, high fumes, relatively high price for material.                              |
| Torch         | Faster than hot asphalt or cold adhesive, very good adhesion when applied correctly.                                  | Risk of burn/fire; risk of improper application; cost and availability of trained labor, cost of propane. |
| Self-Adhered  | Faster to train labor and install, very good adhesion when applied correctly. No fumes, no kettle, no burn/fire risk. | Not yet widely commercially accepted, application can be temperature dependent.                           |



# Selecting Base/Ply Sheets

Select the base and/or sheet that best fits your needs. The following should be considered when selecting a base and/or sheet for your project:

Why ply? A third layer, or more, of water protection exponentially decreases the leak risk of any roof system. That said, interply or ply sheets are not a required element of every low-slope bituminous roof system. Interply sheets are often specified in order to obtain an extended warranty durations or to comply with a fire or wind uplift rating.

## Application

All base sheets can be mechanically fastened, if required, to support a nailable roof deck. If the roof deck is not nailable (or insulation/coverboard has been installed and is now the surface to which the base sheet will be applied) the base sheet's application options become of greater consideration. The charts on the following pages detail the range of base sheet application options and associated performance features.

All CertainTeed base sheets, with the exception of Flintlastic SA NailBase, can be utilized as interply (ply) sheets. Some contractors prefer to limit the number of materials on a project and, therefore, choose to install a base and ply layer of the same material. Other considerations are described below.

## Building Fire/Wind Requirements

Projects requiring a specific fire or wind uplift resistance rating may call for a specific base or ply sheet to be incorporated into the system. Contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2 for system selection assistance.

## Cap Sheet Application

Another element to consider when selecting a base sheet is the cap sheet. CertainTeed offers one base sheet that must be correlated with specific cap sheet applications, as well as two cap sheets that must be correlated with specific base sheets:

**Black Diamond® Base Sheet** is a two-square, SBS-modified, fiberglass reinforced self-adhered base sheet, but requires heat to create an ideal short-term bond. As such, Black Diamond Base Sheet is only an option if the cap sheet is installed with hot asphalt or torch-applied. Black Diamond is a go-to base sheet for staged construction as it's namesake slag top surface can be left exposed for up to 6 months!

**Flintlastic® SA Cap and Flintlastic SA Cap FR** are one-square, SBS-modified, polyester (SA Cap) and fiberglass (SA Cap FR) reinforced, self-adhered cap sheets. The Flintlastic SA family is engineered to be installed together. As such, the selection of either cap sheet dictates that either Flintlastic SA NailBase (for nailable substrates), Flintlastic SA PlyBase (for non-nailable substrates), or Flintlastic SA MidPly (high performing base/ply for non-nailable substrates) will be utilized.

# Selecting Cap Sheets

Select the cap sheet that best fits your needs. The following should be considered when selecting a cap sheet for your project:

## Cap Sheet Application

Application method is frequently the primary driver of cap sheet product selection. The charts on the following pages detail which CertainTeed cap sheets can be installed with hot asphalt, cold adhesive, torch or factory applied self-adhesive and the performance features each application method delivers.

## Building Fire/Wind Requirements

Projects requiring a specific fire or wind uplift resistance rating call for each element of the roof system to be prioritized, as the *system* is granted these performance approvals, not the singular component. CertainTeed has preapproved systems within various code and compliance bodies (i.e. UL, FM, Miami-Dade). Contact CertainTeed Commercial Roofing Technical Services at 800-396-8134 x2 for system selection assistance.

**TIP:** Flintlastic® SA Cap FR offers the speed, safety and fume-free benefits of self-adhering technology as well as the ability to obtain Class A Fire Resistance and Class IV Impact Resistance.

## Cap Sheet Surfacing & Reflectivity

With the exception of Flintlastic STA and Flintlastic STA Plus, all of CertainTeed's cap sheets are surfaced with granules which provide UV protection and aesthetic appeal. CertainTeed low-slope granule blends are designed and manufactured with a true blend multi-granule mix to complement our most popular shingle colors, allowing for a uniform transition from steep to low-slope roofs on a single property.

CertainTeed does not stock all cap sheets in every color. Some colors are made-to-order or are not available depending on product. Please refer to the cap sheet color chart for product availability on page 26-27.

Most CertainTeed cap sheets are available with CoolStar®, highly reflective surfacing. CoolStar cap sheets are sold at a premium price.



# Recommended Systems Self-Adhered

## Why Self-Adhered?

No fumes. No flame. No disturbance.  
For a fraction of the labor, proven.

CertainTeed's Flintlastic® SA family of products afford contractors and building owners alike the benefits of a self-adhered system, with the performance of traditional bituminous applications. Flintlastic SA base and ply products have proprietary surface treatments engineered for strong, long-term bonds with watertight, high uplift resistance. Our self-adhered cap products come in a variety of true-blend colors that complement popular CertainTeed shingles, and a highly-reflective CoolStar® solution.


| Warranty Duration                   | SYSTEM ANATOMY                     |                                           |          |                                             | Class 4<br>Impact Resistance | Class A<br>Fire Resistance | SYSTEM VALUE                 |                         |                             |                         |                             |                                  |                                    |                |                                 |                                                                                                                                                                           | Details |
|-------------------------------------|------------------------------------|-------------------------------------------|----------|---------------------------------------------|------------------------------|----------------------------|------------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------------|----------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                                     | Insulation                         | Base                                      | Interply | Cap                                         |                              |                            | Leak protection <sup>3</sup> | Freeze/Thaw performance | Strong dimensionally stable | Pliable in cold weather | Fire resistant <sup>3</sup> | Quick installation/reduced labor | Resilient to high heat and UV rays | Easy to repair | Solar reflectivity <sup>5</sup> |                                                                                                                                                                           |         |
| <b>CLASSIC SELF-ADHERED SYSTEMS</b> |                                    |                                           |          |                                             |                              |                            |                              |                         |                             |                         |                             |                                  |                                    |                |                                 |                                                                                                                                                                           |         |
| 12 Years                            | Optional                           | Flintlastic SA NailBase (MF)              | —        | Flintlastic SA Cap (CoolStar <sup>2</sup> ) |                              |                            | ○                            | ○                       | ○                           | ●                       | ○                           | ●                                | ○                                  | ●              | ●                               | Flintlastic SA NailBase, while not a self-adhered product, uses a proprietary top surface blue film that promotes an excellent inner-system bond with Flintlastic SA Cap. |         |
| 15 Years                            | Optional                           | Flintlastic SA PlyBase <sup>4</sup> (SA)  | —        | Flintlastic SA Cap (CoolStar <sup>2</sup> ) |                              |                            | ●                            | ●                       | ●                           | ●                       | ○                           | ●                                | ○                                  | ●              | ●                               | True two-ply protection with a fully adhered base and cap.                                                                                                                |         |
| 20 Years                            | Optional                           | Flintlastic SA MidPly <sup>4,5</sup> (SA) | —        | Flintlastic SA Cap (CoolStar <sup>2</sup> ) |                              |                            | ●                            | ●                       | ●                           | ●                       | ○                           | ●                                | ○                                  | ●              | ●                               | Flintlastic SA MidPly is manufactured with 51% more asphalt than Flintlastic SA PlyBase and a heavy duty fiberglass reinforcement mat.                                    |         |
| 25 Years                            | Double layer, second layer adhered | Flintlastic SA MidPly (SA)                | —        | Flintlastic SA Cap (CoolStar <sup>2</sup> ) |                              |                            | ●                            | ●                       | ●                           | ●                       | ○                           | ●                                | ○                                  | ●              | ●                               | CertainTeed's best two-ply asset protection; fully adhered insulation eliminates thermal bridging through fasteners.                                                      |         |

| Warranty Duration                                                                              | SYSTEM ANATOMY       |                         |                        |                                  | Weather | Fire | SYSTEM VALUE                 |                         |                             |                         |                             |                                  |                                    |                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                    | Details |
|------------------------------------------------------------------------------------------------|----------------------|-------------------------|------------------------|----------------------------------|---------|------|------------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------------|----------------|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|                                                                                                | Base (Loose Laid)    | Base                    | Interply               | Cap                              |         |      | Leak protection <sup>3</sup> | Freeze/Thaw performance | Strong dimensionally stable | Pliable in cold weather | Fire resistant <sup>3</sup> | Quick installation/reduced labor | Resilient to high heat and UV rays | Easy to repair | Solar reflectivity <sup>5</sup> |                                                                                                                                                                                                                                                                                                                                                                                                    |         |
| <b>CLASS A/CLASS IV<sup>1</sup> IMPACT RESISTANT SELF-ADHERED SYSTEMS ON COMBUSTIBLE DECKS</b> |                      |                         |                        |                                  |         |      |                              |                         |                             |                         |                             |                                  |                                    |                |                                 |                                                                                                                                                                                                                                                                                                                                                                                                    |         |
| 12 Years <sup>1</sup>                                                                          | Glasbase™ Base Sheet | Flintlastic SA NailBase | —                      | Flintlastic SA Cap FR (CoolStar) | ☁️      | 🔥    | ●                            | ○                       | ●                           | ●                       | ●                           | ○                                | ●                                  | ○              | ●                               | In all three systems, Glasbase Base Sheet is loose laid and gang fastened with Flintlastic SA NailBase to the roof deck. Warranty durations increase as watertight interply protection increases from none to Flintlastic SA PlyBase to Flintlastic SA MidPly. Flintlastic SA MidPly is manufactured with 51% more asphalt than Flintlastic SA PlyBase and a heavy duty fiberglass reinforced mat. |         |
| 15 Years <sup>1</sup>                                                                          | Glasbase Base Sheet  | Flintlastic SA NailBase | Flintlastic SA PlyBase | Flintlastic SA Cap FR (CoolStar) | ☁️      | 🔥    | ●                            | ●                       | ●                           | ●                       | ●                           | ○                                | ●                                  | ○              | ●                               |                                                                                                                                                                                                                                                                                                                                                                                                    |         |
| 20 Years <sup>1</sup>                                                                          | Glasbase Base Sheet  | Flintlastic SA NailBase | Flintlastic SA MidPly  | Flintlastic SA Cap FR (CoolStar) | ☁️      | 🔥    | ●                            | ●                       | ●                           | ●                       | ●                           | ○                                | ●                                  | ○              | ●                               |                                                                                                                                                                                                                                                                                                                                                                                                    |         |

<sup>1</sup> Refer to [www.certainteed.com/pro-center/roofing-approvals-compliances/for-listings](http://www.certainteed.com/pro-center/roofing-approvals-compliances/for-listings)  
<sup>2</sup> CoolStar surfacing must be selected for highest solar reflectivity.  
<sup>3</sup> Performance assumes proper roof maintenance. See warranty for details.  
<sup>4</sup> When self-adhering a base layer over wood decks, priming is recommended. Self-adhering over wood decks is not permitted by code in Miami-Dade County; check your local building code. At the end of the roofing membrane's life, roofing membranes self-adhered over wood decks will require replacement of the deck. Self-adhering to resinous wood, such as pine, is prohibited. Roof systems with base sheets self-adhered directly to wood roof decks qualify for Integrity Roof System Limited Warranties only; Integrity Roof System ND Limited Warranties and Sure Start™ Plus 5-Star Warranties require the use of Flintlastic SA NailBase as a base sheet.  
<sup>5</sup> CoolStar surfacing must be selected for highest solar reflectivity.



# Base/Ply Sheets Self-Adhered

| Product                    | Application                                                                            | Material | Thickness         | Weight  | Coverage  | ASTM                          | Why Buy?¹                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|----------------------------------------------------------------------------------------|----------|-------------------|---------|-----------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flintlastic® SA NailBase²  | MF                                                                                     | SBS/FG   | 1.5 mm (59 mils)  | 82 lbs. | 200 sq ft | D4601, Type II                | When utilizing Flintlastic SA Cap (FR) on nailable substrate.                                                                                                                                                                                                                                                                                                          |
| Flintlastic SA PlyBase     | SA                                                                                     | SBS/FG   | 1.5 mm (59 mils)  | 86 lbs. | 200 sq ft | D4601, Type II, D1970         | When utilizing Flintlastic SA Cap (FR) on approved substrates where direct adhesion is allowed and an unpenetrated membrane is desired.                                                                                                                                                                                                                                |
| Flintlastic SA MidPly      | SA                                                                                     | SBS/FG   | 2.8 mm (110 mils) | 63 lbs. | 100 sq ft | D6163, Grade S, Type I, D1970 | CertainTeed's unique, most robust self-adhering base for fully self-adhered systems. When utilizing Flintlastic SA Cap (FR) on approved substrates where direct adhesion is allowed and an unpenetrated membrane is desired.<br><b>Value: a 25-year warranty with two plies</b>                                                                                        |
| Black Diamond® Base Sheet  | SA  | SBS/FG   | 1.4 mm (55 mils)  | 78 lbs. | 200 sq ft | D4601, Type I, D1970          | When utilizing torch or hot-applied cap sheet on approved substrates where direct adhesion is allowed and an unpenetrated membrane is desired.<br><b>Value: expedited installation and up to 6 months exposure</b>                                                                                                                                                     |
| Flintlastic Ultra Glass SA | SA                                                                                     | SBS/FG   | 3.0 mm (118 mils) | 72 lbs. | 100 sq ft | D6163, Grade S, Type I, D1970 | CertainTeed's unique, most robust, self-adhering base when utilizing non-self-adhered cap sheet on approved substrates where direct adhesion is allowed and an unpenetrated membrane is desired.<br><b>Value: expedited installation and extended warranty durations</b> (100% more asphalt per square than Black Diamond Base Sheet and a 70% heavier fiberglass mat) |

¹ In addition to product values listed above, base sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

² Flintlastic SA NailBase is listed as a self-adhering base sheet because it is only paired with Flintlastic SA systems, though NailBase is utilized as the mechanically fastened solution when the SA system is being installed on a nailable roof deck and an anchor sheet is desired (recommended).

# Cap Sheets Self-Adhered

| Product                        | Application | Material | Thickness         | Weight    | Coverage  | ASTM                                           | Why Buy?¹                                                                                                                                                                                             |
|--------------------------------|-------------|----------|-------------------|-----------|-----------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flintlastic® SA Cap            | SA          | SBS/POLY | 4.0 mm (157 mils) | 95 lbs.   | 100 sq ft | D6164, Grade G, Type I, D7505, D1970           | Tried and true modified bitumen performance with significantly reduced labor over torch, hot asphalt or cold adhesive applications. No fumes, no kettle, no flame, no disruption.                     |
| Flintlastic SA Cap CoolStar®   | SA          | SBS/POLY | 4.0 mm (157 mils) | 93.5 lbs. | 100 sq ft | D6164, Grade G, Type I, D7505                  | See "Flintlastic SA Cap" plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                      |
| Flintlastic SA Cap FR          | SA          | SBS/FG   | 3.2 mm (126 mils) | 88 lbs.   | 100 sq ft | D6163, Grade G, Type I, UL 2218 Class 4, D7530 | See "Flintlastic SA Cap" plus fiberglass reinforcement mat allows for improved dimensional stability. Option to be incorporated in Class A² fire rated system and achieve Class IV Impact Resistance. |
| Flintlastic SA Cap FR CoolStar | SA          | SBS/FG   | 3.2 mm (126 mils) | 88.5 lbs. | 100 sq ft | D6163, Grade G, Type I, UL 2218 Class 4, D7530 | See "Flintlastic SA Cap FR" plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                   |

¹ In addition to product values listed above, cap sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

² Please visit [iq.ulprospector.com](http://iq.ulprospector.com) and review CertainTeed's Roof Systems TGFU.R11656 for deck type and slope requirements.

## Arctic Edge™ Flintlastic SA Cold Lap Tape

Arctic Edge is a revolutionary, use-as-needed, auxiliary tape engineered to significantly boost Flintlastic SA adhesion in temperatures as low as 35°F. (4" X 260' per roll, 8 rolls per carton) Approximately enough tape to adhere four rolls of Flintlastic SA PlyBase or eight rolls of Flintlastic SA MidPly, SA Cap, SA Cap FR.



Learn more.



# Recommended Systems

## Torch-APP

**Why Torch?** Because fire beats water.

Torch-down roofing technology has only strengthened since first coming on the scene in the 1970's. CertainTeed modifies roofing asphalt with plasticizing atactic polypropylene (APP) polymers to enhance product toughness, especially in environments with elevated UV exposure. These APP modified bitumen products are staples of the torch roofing community, especially in the West and South. Ask any experienced roofing contractor, and they will tell you that a properly installed, high-quality torch system creates a multi-layered barrier that will protect a building for decades to come.

| Warranty Duration               | SYSTEM ANATOMY                     |                                             |                      |                                                                                 | SYSTEM VALUE                 |                         |                              |                         |                             |                                  |                                    |                | Details |                                                                                                                                             |
|---------------------------------|------------------------------------|---------------------------------------------|----------------------|---------------------------------------------------------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------------|----------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|
|                                 | Insulation                         | Base                                        | Ply                  | Cap                                                                             | Leak protection <sup>3</sup> | Freeze/Thaw Performance | Strong, dimensionally stable | Pliable in cold weather | Fire resistant <sup>4</sup> | Quick installation/reduced labor | Resilient to high heat and UV rays | Easy to repair |         | Solar reflectivity <sup>2</sup>                                                                                                             |
| 12 Years                        | Optional                           | Glasbase™ Base Sheet (MF)                   | —                    | Flintlastic® STA with SMARTCOAT™                                                | ○                            | ○                       | ○                            | ○                       | ○                           | ●                                | ●                                  | ●              | ●       | Smooth-surfaced economical system; installs quickly with a granule-free, forgiving selvage edge.                                            |
| 12 Years                        | Optional                           | All Weather/Empire® Base (MF)               | —                    | Flintlastic GTA (CoolStar <sup>2</sup> )                                        | ○                            | ○                       | ○                            | ●                       | ●                           | ○                                | ●                                  | ●              | ●       | Economical, stable, resilient. For increased water protection during installation, upgrade to APP Base T (MF) and heat weld the lap joints. |
| 15 Years, approved for re-cover | Optional                           | All Weather/Empire Base (MF)                | —                    | Flintlastic STA Plus <sup>5</sup> , Flintlastic GTA-FR (CoolStar <sup>2</sup> ) | ○                            | ○                       | ○                            | ○                       | ●                           | ○                                | ●                                  | ●              | ●       | Tear off not in the budget? Resilient recover options.                                                                                      |
| 20 Years                        | Optional                           | Black Diamond® Base Sheet <sup>1</sup> (SA) | —                    | Flintlastic STA Plus <sup>5</sup> , Flintlastic GTA-FR (CoolStar <sup>2</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | Black Diamond Base Sheet is lightweight, fast to apply, and can serve as a temporary roof for up to six months.                             |
| 25 Years                        | Double layer, second layer adhered | Flintlastic Ultra Glass SA (SA)             | —                    | Flintlastic GTA-FR (CoolStar <sup>2</sup> )                                     | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | Same labor savings as Black Diamond Base Sheet with 100% more asphalt and 70% heavier fiberglass reinforcement.                             |
| 25 Years                        | Optional                           | All Weather/Empire Base Sheet (MF)          | Flintlastic STA Plus | Flintlastic GTA (CoolStar <sup>2</sup> )                                        | ●                            | ●                       | ●                            | ●                       | ○                           | ○                                | ●                                  | ●              | ●       | Twenty-five year warranted system that does not require insulation- excellent option for combustible decks.                                 |
| 25 Years                        | Double layer, second layer adhered | Black Diamond Base Sheet (SA)               | Flintlastic STA      | Flintlastic GTA-FR (CoolStar <sup>2</sup> )                                     | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | Expedited base installation (self-adhered) and enhanced asset protection with three plies of staggered, watertight seams.                   |

<sup>1</sup> When self-adhering a base layer over wood decks, priming is recommended. Self-adhering over wood decks is not permitted by code in Miami-Dade County; check your local building code. At the end of the roofing membrane's life, roofing membranes self-adhered over wood decks will require replacement of the deck. Self-adhering to resinous wood, such as pine, is prohibited. Roof systems with base sheets self-adhered directly to wood roof decks qualify for Integrity Roof System Limited Warranties only; Integrity Roof System ND Limited Warranties and Sure Start™ Plus 5-Star Warranties require the use of Flintlastic SA NailBase as a base sheet.

<sup>2</sup> CoolStar surfacing must be selected for highest solar reflectivity. Premium pricing applies.

<sup>3</sup> Performance assumes proper roof maintenance. See warranty for details.

<sup>4</sup> iq.ulprospector.com, CertainTeed's Roof Systems TGFU.R11656, Fully Adhered; review listing for deck type and slope requirements.

<sup>5</sup> Requires coating of SMARTCOAT™; proof of recoat required in year 10.



# Recommended Systems

## Torch-SBS

**Why Torch?** Because fire beats water.

Torch-down roofing technology has only strengthened since first coming on the scene in the 1970's. CertainTeed modifies roofing asphalt with rubberizing styrene butadiene styrene (SBS) polymers to enhance product resilience and pliability, especially in cold temperatures. These SBS modified bitumen products are staples of the torch roofing community, especially in northern regions. Ask any experienced roofing contractor, and they will tell you that a properly installed, high-quality torch system creates a multi-layered barrier that will protect a building for decades to come.

| Warranty Duration | SYSTEM ANATOMY                                  |                                            |                       |                                             | SYSTEM VALUE                 |                         |                              |                         |                             |                                  |                                    |                | Details |                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------|--------------------------------------------|-----------------------|---------------------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------------|----------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | Insulation                                      | Base                                       | Ply                   | Cap                                         | Leak protection <sup>3</sup> | Freeze/Thaw Performance | Strong, dimensionally stable | Pliable in cold weather | Fire resistant <sup>4</sup> | Quick installation/reduced labor | Resilient to high heat and UV rays | Easy to repair |         | Solar reflectivity <sup>2</sup>                                                                                                                                                                         |
| 20 Years          | Optional                                        | Black Diamond Base Sheet <sup>3</sup> (SA) | —                     | Flintlastic GTS-FR CoolStar <sup>2</sup>    | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | Self-adhered base offers increased application speed; polyester-reinforced ASTM D6164 Type II cap membrane delivers excellent durability and resilience.                                                |
| 20 Years          | Optional                                        | Glasbase Base Sheet                        | Flintlastic Base 20 T | Flintlastic GTS-FR (CoolStar <sup>2</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | Improved durability and resilience over “20/30” system with polyester-reinforced ASTM D6164 Type II cap membrane.                                                                                       |
| 25 Years          | Double layer, second layer adhered              | Flintlastic Ultra Glass SA                 | —                     | Flintlastic GTS-FR (CoolStar <sup>2</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | 25 year warranty duration with only two plies, self-adhered base offers increased application speed, polyester-reinforced, ASTM D6164 Type II cap membrane delivers excellent durability and resilience |
| 25 Years          | Double layer, second layer adhered <sup>5</sup> | Flintlastic Ultra Poly SMS (T/HA)          | —                     | Flintlastic GTS-FR (CoolStar <sup>2</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ●                                  | ●              | ●       | 25 year warranty duration with only two plies, gypsum board is permitted as second layer of roof insulation for torch-applied base.                                                                     |

<sup>1</sup> For systems listed with torch-grade or self-adhered base plies without insulation, add a base sheet such as Glasbase Base Sheet or All Weather/Empire Base Sheet for nailable decks.

<sup>2</sup> CoolStar surfacing must be selected for highest solar reflectivity. Premium pricing applies.

<sup>3</sup> When self-adhering a base layer over wood decks, priming is recommended. Self-adhering over wood decks is not permitted by code in Miami-Dade County; check your local building code. At the end of the roofing membrane's life, roofing membranes self-adhered over wood decks will require replacement of the deck. Self-adhering to resinous wood, such as pine, is prohibited. Roof systems with base sheets self-adhered directly to wood roof decks qualify for Integrity Roof System Limited Warranties only; Integrity Roof System ND Limited Warranties and Sure Start™ Plus 5-Star Warranties require the use of Flintlastic SA NailBase as a base sheet.

<sup>3</sup> Performance assumes proper roof maintenance. See warranty for details.

<sup>4</sup> iq.prospector.com, CertainTeed's Roof Systems TGFU.R11656, Fully Adhered; review listing for deck type and slope requirements.

<sup>5</sup> Base sheet is torch-applied. Second or third layer layer of insulation must be gypsum board.

# Base/Ply Sheets Torch

| Product                    | Application | Material | Thickness         | Weight  | Coverage  | ASTM                                   | Why Buy? <sup>1</sup>                                                                                                                                                                                       |
|----------------------------|-------------|----------|-------------------|---------|-----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flintlastic APP Base T     | T           | APP/FG   | 2.0 mm (79 mils)  | 97 lbs. | 200 sq ft | D6509                                  | Economical option for strong, homogenous (APP to APP) system when utilizing an APP-modified cap sheet.                                                                                                      |
| Flintlastic STA            | T           | APP/POLY | 3.8 mm (150 mils) | 86 lbs. | 100 sq ft | D6222, Grade S, Type I                 | Utilizing APP-modified cap sheet, value benefit of strong, homogenous (APP to APP) bond and extended warranties.                                                                                            |
| Flintlastic STA Plus       | T           | APP/POLY | 4.5 mm (177 mils) | 98 lbs. | 100 sq ft | D6222, Grade S, Type I                 | See "Flintlastic STA" plus premium product allows for extended warranties.                                                                                                                                  |
| Flintlastic Base 20 T      | MF/T        | SBS/FG   | 3.0 mm (118 mils) | 80 lbs. | 100 sq ft | D4601, Type II, D6163, Grade S, Type I | Offers the strength of fiberglass reinforcement and the pliability of SBS-modified asphalt.                                                                                                                 |
| Flintlastic Ultra Poly SMS | MF/CA HA/T  | SBS/POLY | 3.7 mm (146 mils) | 89 lbs. | 100 sq ft | D6164 Grade S, Type I                  | CertainTeed's most robust base ply; combines high performance, extra-tough, stress-resistant polyester mat with pliable SBS-modified asphalt; pairs well with any cap sheet and offers extended warranties. |

**For details on additional base sheets utilized in torch systems, please refer to page 19.**

<sup>1</sup> In addition to product values listed above, base sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

# Cap Sheets Torch

| Product                                  | Application | Material | Thickness         | Weight     | Coverage  | ASTM                    | Why Buy? <sup>1</sup>                                                                                                                                                                                                                                                                                  |
|------------------------------------------|-------------|----------|-------------------|------------|-----------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flintlastic GTA                          | T           | APP/POLY | 4.0 mm (157 mils) | 103 lbs.   | 100 sq ft | D6222, Grade G, Type I  | Workhorse granule-surfaced, torch-grade, APP-modified cap sheet; combines strength and UV stability of APP-modified asphalt with the stress-resistance of its polyester reinforcement mat.                                                                                                             |
| Flintlastic GTA CoolStar <sup>®</sup>    | T           | APP/POLY | 4.0 mm (157 mils) | 93 lbs.    | 100 sq ft | D6222, Grade G, Type I  | See "Flintlastic GTA" plus highly reflective, granules. Reduce thermal heat gain, improving building comfort and reducing energy cost.                                                                                                                                                                 |
| Flintlastic <sup>®</sup> GTA-FR          | T           | APP/POLY | 4.0 mm (157 mils) | 103 lbs.   | 100 sq ft | D6222, Grade G, Type I  | See "Flintlastic GTA"; fire retardant additives enables incorporation in Class A <sup>2</sup> fire rated system.                                                                                                                                                                                       |
| Flintlastic GTA-FR CoolStar <sup>®</sup> | T           | APP/POLY | 4.0 mm (157 mils) | 98 lbs.    | 100 sq ft | D6222, Grade G, Type I  | See "Flintlastic GTA-FR" plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                                                                                                                       |
| Flintlastic STA                          | T           | APP/POLY | 3.8 mm (150 mils) | 86 lbs.    | 100 sq ft | D6222, Grade S, Type I  | Smooth surfaced, torch grade, APP-modified cap sheet (or base/ply); combines strength and UV stability of APP-modified asphalt with the stress-resilience of its polyester reinforced mat; installs quickly with a granule-free, forgiving selvage edge.                                               |
| Flintlastic STA Plus                     | T           | APP/POLY | 4.5 mm (177 mils) | 98 lbs.    | 100 sq ft | D6222, Grade S, Type I  | See "Flintlastic STA" plus premium product allows for extended warranties.                                                                                                                                                                                                                             |
| Flintlastic GTS-FR                       | T           | SBS/POLY | 4.0 mm (157 mils) | 103 lbs.   | 100 sq ft | D6164, Grade G, Type II | Granule surfaced, torch-grade SBS-modified cap sheet; CertainTeed's most robust (Type II) torch-grade cap sheet with a high-performance, extra-tough, stress-resistant (excellent elongation) polyester mat. Fire retardant additives enables incorporation in Class A <sup>2</sup> fire-rated system. |
| Flintlastic GTS-FR CoolStar              | T           | SBS/POLY | 4.0 mm (157 mils) | 103.5 lbs. | 100 sq ft | D6164, Grade G, Type II | See "Flintlastic GTS-FR" plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                                                                                                                       |

<sup>1</sup> In addition to product values listed above, cap sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

<sup>2</sup> Please visit [www.ul.com/database](http://www.ul.com/database) and review CertainTeed's Roof Systems TGFU.R11656 for deck type and slope requirements.



# Recommended Systems

## Hot/Cold

**Why Hot/Cold?** Because it's tried and true.

Face it - some old dogs don't need new tricks, and CertainTeed hot asphalt and cold adhesive low-slope roof systems have consistently delivered on the promise of protection for generations. These systems offer multiple watertight layers with unparalleled bond strength. So when the risk of a roof leak means more than just a maintenance nuisance, trust what works and spend the time to install peace-of-mind.

| System Name | SYSTEM ANATOMY                     |                                             |                                |                                                   | SYSTEM VALUE                 |                         |                              |                         |                             |                                  |                                    |                |                                 | Details                                                                                                                                                                                                                                                                              |
|-------------|------------------------------------|---------------------------------------------|--------------------------------|---------------------------------------------------|------------------------------|-------------------------|------------------------------|-------------------------|-----------------------------|----------------------------------|------------------------------------|----------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | Insulation                         | Base                                        | Ply                            | Cap                                               | Leak protection <sup>4</sup> | Freeze/Thaw Performance | Strong, dimensionally stable | Pliable in cold weather | Fire resistant <sup>3</sup> | Quick installation/reduced labor | Resilient to high heat and UV rays | Easy to repair | Solar reflectivity <sup>1</sup> |                                                                                                                                                                                                                                                                                      |
| 12 Years    | Optional                           | All Weather Empire Base Sheet (MF)          | —                              | Flintlastic GMS                                   | ○                            | ○                       | ○                            | ●                       | ○                           | ●                                | ○                                  | ●              | ○                               | Economical, stable, resilient. With its ASTM D6757 rating, All Weather is an inexpensive way to get a roof “in the dry” and its lightly SBS-modified asphalt allows for a more uniform application than a non-modified base. Increase warranty to 15 years when base is hot applied. |
| 15 Years    | Optional                           | Black Diamond® Base Sheet (SA) <sup>2</sup> | —                              | Flintlastic GMS                                   | ●                            | ●                       | ●                            | ●                       | ○                           | ●                                | ○                                  | ●              | ○                               | Black Diamond® is lightweight and fast to apply, and can serve as a temporary roof for up to six months. Increase warranty to 20 years by adding two layers of FlintBoard® insulation.                                                                                               |
| 20 Years    | Optional                           | Black Diamond Base Sheet (SA) <sup>2</sup>  | —                              | Flintlastic Premium FR-P CoolStar <sup>1</sup>    | ●                            | ●                       | ●                            | ●                       | ●                           | ○                                | ○                                  | ●              | ●                               | Self-adhered base offers increased application speed; polyester-reinforced ASTM D6164 Type II cap membrane delivers excellent durability and resilience.                                                                                                                             |
| 20 Years    | Optional                           | Glasbase Base Sheet (MF)                    | Flintglas Ply 4 (2 layers, HA) | Flintlastic GMS                                   | ●                            | ●                       | ●                            | ●                       | ○                           | ○                                | ○                                  | ●              | ○                               | This three-ply system combines highly economical, non-modified base and ply layers with CertainTeed's workhorse hot/cold cap sheet.                                                                                                                                                  |
| 20 Years    | Double layer, second layer adhered | Flintlastic Base 20 (HA/CA)                 | —                              | Flintlastic FR-P                                  | ●                            | ●                       | ●                            | ●                       | ●                           | ○                                | ○                                  | ●              | ●                               | This classic system offers the strength and stability of fiberglass reinforcement with the pliability and stress resilience of polyester asphalt. 20-year warranty requires the use of FlintBond® for cold adhesive applications.                                                    |
| 25 Years    | Double layer, second layer adhered | Flintlastic Ultra Glass SA (SA)             | —                              | Flintlastic Premium FR-P (CoolStar <sup>1</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ●                                | ○                                  | ●              | ●                               | This system offers excellent two-ply asset protection and reduced labor by combining our highest performing, self-adhering base ply with our most resilient, ASTM D6164 Type II cap sheet.                                                                                           |
| 25 Years    | Double layer, second layer adhered | Flintlastic Ultra Poly SMS (HA/CA/T)        | —                              | Flintlastic Premium FR-P (CoolStar <sup>1</sup> ) | ●                            | ●                       | ●                            | ●                       | ●                           | ○                                | ○                                  | ●              | ●                               | This system offers the best two-ply asset protection with CertainTeed's most robust (60 pounds of modified asphalt per square) and versatile (can be mechanically fastened, hot applied, cold applied or torched) base sheet and our most resilient, ASTM D6164 Type II cap sheet.   |

<sup>1</sup> CoolStar surfacing must be selected for highest solar reflectivity.

<sup>2</sup> When self-adhering a base layer over wood decks, priming is recommended. Self-adhering over wood decks is not permitted by code in Miami-Dade County; check your local building code. At the end of the roofing membrane's life, roofing membranes self-adhered over wood decks will require replacement of the deck. Self-adhering to resinous wood, such as pine, is prohibited. Roof systems with base sheets self-adhered directly to wood roof decks qualify for Integrity Roof System Limited Warranties only; Integrity Roof System ND Limited Warranties and Sure Start™ Plus 5-Star Warranties require the use of Flintlastic SA NailBase as a base sheet.

<sup>3</sup> Please visit [iq.ulprospector.com](http://iq.ulprospector.com) and review CertainTeed's Roof Systems TGFU.R11656 for deck type and slope requirements.

<sup>4</sup> Performance assumes proper roof maintenance. See warranty for details.

# Base/Ply Sheets

## Hot/Cold

| Product                        | Application | Material   | Thickness         | Weight  | Coverage  | ASTM                                   | Why Buy? <sup>1</sup>                                                                                                                                                                                       |
|--------------------------------|-------------|------------|-------------------|---------|-----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glasbase™ Base Sheet           | MF/HA/CA    | BUR/FG     | 1.0 mm (39 mils)  | 75 lbs. | 300 sq ft | D4601, Type II, UL G2                  | Economical, non-modified, permeable base sheet.                                                                                                                                                             |
| All Weather/Empire® Base Sheet | MF/HA/CA    | BUR-SBS/FG | 1.3 mm (51 mils)  | 70 lbs. | 200 sq ft | D4601, Type II, D6757                  | Economical, lightly SBS-modified non-permeable base sheet to allow for more uniform application than non-modified sheets; most economical “dry-in” option.                                                  |
| Flintlastic® Poly SMS          | MF/HA/CA    | SBS/POLY   | 2.0 mm (79 mils)  | 89 lbs. | 200 sq ft | D4601, Type II                         | Most economical polyester-reinforced base sheet; both SBS-modified asphalt and polyester reinforcement mats are valued for pliability and stress resilience.                                                |
| Flintlastic Base 20            | MF/HA/CA    | SBS/FG     | 2.3 mm (91 mils)  | 88 lbs. | 150 sq ft | D6163, Grade S, Type I, D4601, Type II | Offers the strength of fiberglass reinforcement with the pliability of SBS-modified asphalt.                                                                                                                |
| Flintlastic Ultra Poly SMS     | MF/HA CA/T  | SBS/POLY   | 3.7 mm (146 mils) | 89 lbs. | 100 sq ft | D6164, Type I                          | CertainTeed’s most robust base ply; combines high performance, extra-tough, stress-resistant polyester mat with pliable SBS-modified asphalt; pairs well with any cap sheet and offers extended warranties. |
| Flintglas® Ply 4               | HA          | BUR/FG     | 0.6 mm (24 mils)  | 36 lbs. | 500 sq ft | D2174, Type IV, UL G1                  | Economical, non-modified, permeable ply sheet.                                                                                                                                                              |

<sup>1</sup> In addition to product values listed above, base sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

# Cap Sheets

## Hot/Cold

| Product                           | Application | Material | Thickness         | Weight    | Coverage  | ASTM                    | Why Buy? <sup>1</sup>                                                                                                                                                                                                      |
|-----------------------------------|-------------|----------|-------------------|-----------|-----------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flintlastic® GMS                  | HA/CA       | SBS/POLY | 3.7 mm (146 mils) | 93 lbs.   | 100 sq ft | D6164, Grade G, Type I  | Workhorse granule surfaced, mop-grade, SBS-modified cap sheet; combination of stress-resistant polyester reinforcement mat and pliable SBS-modified asphalt delivers high resistance to strain caused by building movement |
| Flintlastic FR-P                  | HA/CA       | SBS/POLY | 4.2 mm (165 mils) | 100 lbs.  | 100 sq ft | D6164, Grade G, Type I  | See “Flintlastic GMS” with additional SBS-modified asphalt and fire retardant additives enables incorporation in Class A <sup>2</sup> fire-rated system.                                                                   |
| Flintlastic Premium FR-P          | HA/CA       | SBS/POLY | 4.2 mm (165 mils) | 100 lbs.  | 100 sq ft | D6164, Grade G, Type II | See “Flintlastic FR-P” with high performance, extra-tough, stress-resistant polyester mat to allow for “type II” ASTM performance classification.                                                                          |
| Flintlastic Premium FR-P CoolStar | HA/CA       | SBS/POLY | 4.2 mm (165 mils) | 99.5 lbs. | 100 sq ft | D6164, Grade G, Type II | See “Flintlastic Premium FR-P” plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                                     |
| Flintglas® MS Cap Sheet           | HA/CA       | BUR/FG   | 3.0 mm (118 mils) | 77 lbs.   | 100 sq ft | D3909, D4897, UL G3     | Economic cap solution for built-up roofing systems, reduces labor when compared to flood coat and gravel.                                                                                                                  |
| Flintglas MS Cap Sheet CoolStar   | HA/CA       | BUR/FG   | 3.0 mm (118 mils) | 74 lbs.   | 100 sq ft | D3909, D4897            | See “Flintlastic MS Cap Sheet” plus highly reflective. Reduces thermal heat gain, improving building comfort and reducing energy cost.                                                                                     |

<sup>1</sup> In addition to product values listed above, cap sheet selection will be influenced by CertainTeed system approvals for fire performance and/or wind uplift resistance.

<sup>2</sup> Please visit [iq.ulprospector.com](http://iq.ulprospector.com) and review CertainTeed’s Roof Systems TGFU.R11656 for deck type and slope requirements.



# Granulated Cap Colors

S = Indicates stocked, at minimum, in Little Rock, Arkansas manufacturing plant; check CertainTeed Plant Catalogs for additional stocking locations; any product stocked in Little Rock is available nationwide  
M<sup>2</sup> = Made to order

|                       | TORCH          |                |                | SELF-ADHERED   |                | HOT/COLD       |                |      |                |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|----------------|
|                       | GTA            | GTA-FR         | GTS-FR         | SA Cap         | SA Cap FR      | MS Cap         | GMS            | FR-P | Premium FR-P   |
| <b>WHITE</b>          | S              | S              | S              | S              | S              | S              | S              | S    | M <sup>2</sup> |
| <b>COOLSTAR®</b>      | S              | S              | M <sup>2</sup> | M <sup>2</sup> | M <sup>2</sup> | S <sup>1</sup> |                |      | M <sup>2</sup> |
| <b>BURNT SIENNA</b>   | S              |                |                | S              |                |                |                |      |                |
| <b>MOIRÉ BLACK</b>    | S              | S <sup>1</sup> |                | S              | S              | S <sup>1</sup> | S              |      |                |
| <b>TERRA COTTA</b>    | M <sup>2</sup> |                |                | S              |                |                |                |      |                |
| <b>RESAWN SHAKE</b>   | S              |                |                | S              | S              |                |                |      |                |
| <b>WEATHERED WOOD</b> | S              |                |                | S              | S              |                | M <sup>2</sup> |      |                |
| <b>BUFF</b>           |                |                |                | S              |                |                |                |      |                |
| <b>EVERGREEN</b>      |                |                |                | S              |                |                |                |      |                |
| <b>COLONIAL SLATE</b> | S              |                |                | S              |                |                |                |      |                |
| <b>HEATHER BLEND</b>  | S              |                |                | S              |                |                |                |      |                |
| <b>MOJAVE TAN</b>     |                |                |                | S              |                |                |                |      |                |



All granule colors available in 5G, 50 lb. pails for aesthetic surfacing over asphalt bleed out or liquid-applied flashing.

<sup>1</sup> Only stocked in California <sup>2</sup> Minimum order is 150 rolls (6 pallets) for products that are 25 rolls/pallet and 160 rolls (8 pallets) for products that are 20 rolls/pallet  
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.



# FlintBond®

## Flashing Adhesive and Repair

- All weather, highly resilient SBS-modified mastic will adhere SBS-modified or repair modified asphalt membranes in any climate (will bond underwater)
- High-heat resistant, will not slip, sag or mudcrack
- Repairs asphaltic membranes, concrete and control joints

| Color | Packaging            | Units/Pallet     | Yield/Unit                     |
|-------|----------------------|------------------|--------------------------------|
| Black | 10.1 oz. (12/carton) | 576 (48 cartons) | 24 linear ft. (1/4" bead)      |
| Black | 3G<br>5G             | 64<br>48         | 36-39 sq. ft.<br>60-65 sq. ft. |



# 365 RepairMaster™

## Silicone Repair Mastic

- Highly elastic silicone mastic engineered to seal deficiencies in most roof surfaces
- Apply in dry or wet conditions (will bond under water)
- Repairs asphaltic or single-ply membranes, asphaltic shingles, metal roofs and previously coated roofs

| Color                  | Packaging | Units/Pallet | Yield/Unit                 |
|------------------------|-----------|--------------|----------------------------|
| White<br>Gray<br>Black | 2G        | 88           | 24-26 sq. ft. (1/8" thick) |



# SmartFlash® ONE

## Liquid-Applied Flashing and Repair

- One-part asphaltic urethane resin
- 10-year leak-proof warranty on repairs.
- Repairs asphaltic membranes and asphaltic shingles<sup>2</sup>

| Color | Packaging     | Units/Pallet     | Yield/Unit <sup>1</sup> |
|-------|---------------|------------------|-------------------------|
| Brown | Flash Pack    | 36               | 17 sq. ft.              |
|       | 1G (2/carton) | 120 (60 cartons) | 17 sq. ft.              |
|       | 5G            | 36               | 83 sq. ft.              |

<sup>1</sup> Assumes 3-course flashing with a finish coat.  
<sup>2</sup> Please see Technical Data Sheet for comprehensive list of approved substrates.





# SmartFlash® ONE

If you work with asphaltic membranes or shingles, SmartFlash ONE should be in your yard.



SmartFlash ONE is a one-part, self-terminating, UV stable polyurethane bituminous resin for new flashings or repairs. Engineered for an excellent bond to bituminous membranes, concrete, wood, sanded/abraded rigid PVC pipe and metal<sup>1</sup>.

SmartFlash Repairs can be a highly profitable business, but if you're not charging for the tools and accessories you're using, you are leaving money on the table. The SmartFlash ONE Flash pack includes everything you need to flash or repair 17 square feet: 1G resin, 6" x 36' polyester, 4" roller, two extra naps, 2" brush, scissors, two pairs of latex gloves, 2" x 180" masking tape, and can be invoiced as a single line item. All this with the added benefit of always having what you need to finish the job.

| Product                          | Color | Packaging                            | Units/Pallet                                | Yield/Unit (sq ft)              |
|----------------------------------|-------|--------------------------------------|---------------------------------------------|---------------------------------|
| SmartFlash ONE Flash Pack        | Brown | 5G (1G resin) <sup>1</sup>           | 36                                          | 17 <sup>2</sup>                 |
| SmartFlash ONE 1G                | Brown | 1G, sold 2/carton                    | 120                                         | 17 <sup>2</sup> (32 per carton) |
| SmartFlash ONE 5G                | Brown | 5G                                   | 36                                          | 83 <sup>2</sup>                 |
| SMARTFAB Polyester Reinforcement | White | 4", 6", 12", 20" rolls sold 5/carton | See SMARTCOAT Products for details by width |                                 |

<sup>1</sup> See Technical Data Sheet for precautions when adhering to metal.

<sup>2</sup> Assumes 3-course flashing with a finish coat.

Highly flammable liquid and vapor. Keep away from heat/sparks/open flames/hot surfaces. Store away from flame or heat. Store in temperature range of 32-95°F (0 to 35°C).

## Why Use for Flashing Details?

Maintenance-free waterproofing, up to 20 years.

- **Self-Terminating:** No lead, no additional components
- **Versatile:** Conformation to almost any penetration shape
- **Efficient:** One-part resin, no primer, no roof-top measuring or mixing, no limitation to working time, no waste - unused resin can be stored and used on a future project
- **Warranted:** CertainTeed Integrity Roof™ System (NDL) Limited Warranties apply to SmartFlash® ONE roof system flashings, up to 20 years



Joe Knows Commercial Roofing  
You should too! Watch for how to  
Flash a Drain with SF1



## Why Use for Repairs?

UV-stable, quick, permanent repairs.

- **Versatile:** Repair cracks in asphalt membrane/shingle or damaged/corroded flashings
- **Visually Appealing:** Broadcast granules into wet resin to match existing roof surfacing *only if desired*
- **Efficient:** Easily resealed and stored on repair trucks for use when needed
- **Warranted:** Backed by 10-year waterproof repair warranty





# FlintEdge®

## COPING PRODUCTS

### FlintEDGE® Coping

*Tapered, Flat, and Existing Slope*

Features a snap-on cover and 20 ga. galvanized steel anchor clips and is available in variety of options for different wall conditions and colors choices.



### FlintEdge Coping OE

*Tapered, Flat, and Existing Slope*

Quick-to-ship convenience and economical pricing to simplify projects and maximize profits. Manufactured in 12' lengths with fasteners provided for quicker installation and lower costs.



### FlintEDGE Coping CL

*Single and Dual Cantilever*

For attachment to a parapet wall with a non-structural exterior building façade. The products unique support brackets bring extra stability to the roof edge system when attachment is required up to 6" away from the outside façade.



### FlintEDGE Coping GL

*Tapered, Flat, and Existing Slope Versions*

For parapet conditions with high-performance requirements. It features a snap-on cover and 16-gauge, galvanized steel anchor clips with factory-applied stainless-steel spring.

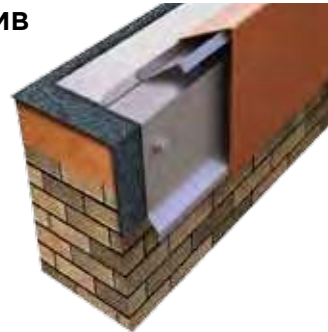


## FASCIA PRODUCTS

### FlintEDGE Fascia OE MB

*Built-up or Modified Version*

Quick-to-ship convenience and economical pricing to simplify projects and maximize profits.



### FlintEDGE Fascia XE MB

*Built-up or Modified Version*

Designed for BUR or Modified roofs to protect against high wind events where larger face heights are needed.



### FlintEDGE Fascia XT MB

*Built-up or Modified Version*

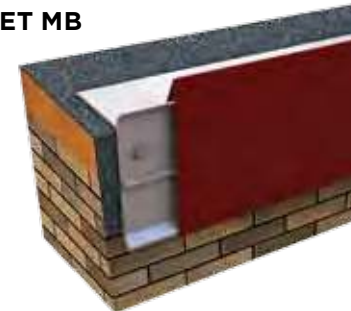
Features an extruded aluminum anchor bar design that securely terminates the membrane. Available in multiple heights to accommodate multiple nailers and coverage requirements.



### FlintEDGE Fascia ET MB

*Built-Up or Modified Version*

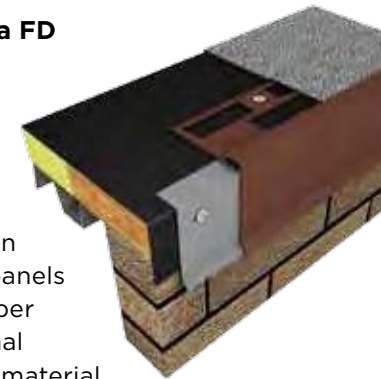
Designed for fast and easy installation, eliminating the stripping in that is typical of other roof edge designs.



### FlintEDGE Fascia FD

*Built-up or Modified Version*

Designed to concealed splice plate design prevents migration under the cover panels and provides proper spacing for thermal movement of the material.



### FlintEDGE Fascia GG MB

*Snap-on, Built-up or Modified Version*

Features dual attachment points on both the face and roof deck allow for added flexibility when accommodating roof irregularities with no exposed fasteners and no unsightly cover plates.



Edge Metal products are available in 31 different colors and finishes. For complete color options, please see the Edge Metal brochure or [www.certainteed.com](http://www.certainteed.com).

Our most popular colors are:



Colors shown are representative of the prefinished KYNAR® colors but not exact matches. Actual metal color chips are available upon request and should be used for final color approval.

## ADDITIONAL PRODUCTS

### FlintEDGE Expansion Joints

*Roof to Roof and Roof to Wall Versions*

Ideal for allowing thermal movement and condensation control between two roof systems or a roof system and a terminating. Also, the continuous cleat protects from wind driven rain.



### FlintEDGE Gutter

*Box, Chamfer, and Offset Versions. Additional products: Downspouts, Scuppers, and Conductor Heads.*

Unique design, superior roof drainage, and attractive appearance, the design incorporates a 1" wide extruded internal gutter hanger for strength and support.



### FlintEDGE Reglets

*Multiple Versions*

Provides a watertight termination at the leading edge of the roofing material.



*More than 50% of low-slope roof systems blow offs are associated with roof perimeter failure. Protect your building and it's occupants by specifying a high quality, ANSI/SPRI compliant edge metal.*

- ANSI/SPRI/FM 4435/ES-1 Tested
- Factory Mutual Approved
- Miami-Dade approved
- Available in a variety of colors, sizes, and materials
- Easy installation resulting in decreased labor costs

Reach out to your local CertainTeed Territory Manager to request a sample and demonstration of FlintEDGE metal roof accessories.



# FlintFast® Fasteners

Engineered to improve application efficiency and increase the strength of the mechanical attachment, FlintFast fasteners provide top quality performance in commercial roofing systems. FlintFast fasteners are tested to meet FM requirements for the attachment of roofing insulation (FlintBoard®) and base sheets in high performance roof systems.



### FlintFast #12

Application(s): Metal (16 gauge or thinner)  
Use with metal plate

Threads per inch/style: 13 single lead

Head style: #3 Phillips

Material/Finish: Carbon steel

Metro Dade Co. Approved: Yes

FM Approved: Yes

Standard lengths: 1-5/8", 2-1/4", 3", 4", 5", 6", 7", 8"



### FlintFast #14

Application(s): Metal or wood  
Use with metal plate

Threads per inch/style: 13 single lead

Head style: #3 Phillips

Material/Finish: Carbon steel

Metro Dade Co. Approved: Yes

FM Approved: Yes

Standard lengths: 1-1/4", 2" 3", 4", 5", 6", 7", 8", 9", 10", 11", 12"



### FlintFast #15

Application(s): Metal or wood  
Use with metal plate

Threads per inch/style: 13 single lead buttress

Head style: #3 Phillips

Material/Finish: Carbon steel

Metro Dade Co. Approved: Yes

FM Approved: Yes

Standard lengths: 2", 3", 4", 5", 6", 7", 8", 9", 10", 12", 14", 16", 18"



### FlintFast Nylon/FG Auger

Application(s): Lightweight roof deck  
lightweight concrete, Tectum, and gypsum

Use with barbed insulation and membrane plate

Head style: 1/4" square drive

Material/Finish: Nylon reinforced fiberglass

Metro Dade Co. Approved: Yes

FM Approved: Yes

Standard lengths: 2", 2-1/2", 3", 3-1/2", 4", 4-1/5", 5", 5-1/2", 6", 6-1/2", 7", 7-1/2", 8", 8-1/2", 9", 9-1/2", 10", 11", 12"



### FlintFast #14 Insulated Panel Fastener

Application(s): Structural insulated panels  
and nail base panels

Use with metal plate (optional)

Threads per inch/style: 10 single lead

Head style: Pancake head T-30 star drive

Material/Finish: Carbon steel

FM Approved: Yes

Standard lengths: 2-5/8", 3", 3-1/2", 4", 4-1/2", 5", 5-1/2", 6", 6-1/2", 7", 7-1/2", 8", 8-1/2", 9", 9-1/2", 10"

# Galvalume™ Membrane and Insulation Plates

FlintFast plates are used in conjunction with FlintFast fasteners to secure virtually all types of insulation boards and select modified bitumen base sheets for roofing systems. Galvalume is a trademark of BIEC International, Inc.



### FlintFast Round Barbed Stress Plate

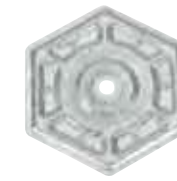
Use with all steel deck fasteners

Dimensions: 2" & 2-3/8" round

Material: Galvalume steel

Metro Dade Co. Approved: Yes

FM Approved: Yes



### FlintFast Hex Insulated Stress Plate

Use with all steel deck fasteners

Dimensions: 2-7/8" hex

Material: Galvalume steel

Metro Dade Co. Approved: Yes

FM Approved: Yes



### FlintFast Round Stress Plate

Use with all steel deck fasteners

Dimensions: 3" round

Material: Galvalume steel or Plastic

Metro Dade Co. Approved: Yes

FM Approved: Yes



### Barbed Insulation & Membrane Plate

Use with nylon/FG auger

Dimensions: 3" round

Material: Galvalume steel

Metro Dade Co. Approved: Yes

*Galvalume is a trademark of BIEC International, Inc.*

# Termination Bars Fasteners

FlintFast termination bars are made from specially extruded aluminum without sharp edges. Termination bars come with holes either 6", 8" or 12" on center.



### FlintFast Term Bar Rib Flat

Feature: Rib Flat

Thickness: .10"

Material: Extruded aluminum



### FlintFast Term Bar .075

Feature: Single Lip or Rib Single Lip

Thickness: .075"

Material: Extruded aluminum



### FlintFast Term Bar All Purpose

Feature: All Purpose

Thickness: .050"

Material: Extruded aluminum



### FlintFast Term Bar .090

Feature: Lip & Ball

Thickness: .090"

Material: Extruded aluminum

# SMARTCOAT™ At a Glance

## Why tear off when you can restore?

Roof tear off is expensive, laborious and adds tremendous amounts of waste into landfills. In some cases, additional, significant expense is required to bring the new roof system into code compliance.

Roof restoration can extend the life of the existing roof for decades. CertainTeed offers a comprehensive line of silicone or acrylic-based restoration systems consisting of roof wash, surface prep products (substrate dependent, only used as needed), mastics/sealants to ensure the roof is watertight (mastics are applied with and without reinforcement depending on the condition of the existing roof detail), and, finally, a coating is applied to form a seamless, monolithic, protective membrane.

## Can every roof be restored?

Unfortunately, no. Roofs should be inspected to determine if they are good candidates for restoration. The primary determining factor is the presence and amount of entrenched water in the current system and its root cause. A good rule of thumb is if less than 20% of the roof requires repairs to be made sound, clean and dry, restoration is possible.

## 500 Series Stitchbond Polyester

Reinforce seams, details and acrylic roof systems.



## 600 Traffic Coat Series

Protects your roof under light or heavy foot traffic.

## clean

### 100 Roof Wash

Nothing sticks to dirt. Help your customers avoid call backs by starting with a clean slate.

## prep

### 200 Series Primer/Bleed Blocker

#200 Bleed Blocker prevents staining on asphaltic roof restorations; #210 Universal Primer is engineered to optimize adhesion across a variety of substrates when needed.

## seal

### 300 Series Mastic/Sealant

If your mastics don't have the muscle to permanently seal leaks, your restoration project will miss the mark.

## coat

### 400 Series Coatings

SMARTCOAT coatings are high-solids, direct-bond optimized formulations. And, yes, you can recoat our silicone.



See it in action!



# SMARTCOAT™ Products

| Product                                                                 | Color                        | Packaging            | Units/Pallet           | Coverage (sq ft) <sup>2</sup> |
|-------------------------------------------------------------------------|------------------------------|----------------------|------------------------|-------------------------------|
| <b>CLEAN/PREP</b>                                                       |                              |                      |                        |                               |
| 100 Roof Wash *Sold 4/Carton                                            | Blue                         | 1G (4/carton)        | 144 (36 <sup>1</sup> ) | 4,000-12,000                  |
| 200 Bleed Blocker                                                       | Light Grey                   | 5G                   | 48                     | 333-500                       |
| 210 Universal Primer                                                    | Dark Grey                    | 5G                   | 48                     | 333-500                       |
| 220 Asphalt Emulsion                                                    | Brown                        | 5G                   | 48                     | 125                           |
|                                                                         |                              | 55G                  | 4                      | 1,375                         |
|                                                                         |                              | 275G                 | 1                      | 6,875                         |
| <b>SEAL</b>                                                             |                              |                      |                        |                               |
| 300 Non-Fibered Acrylic Mastic                                          | White                        | 3.5G                 | 48                     | 42-46                         |
| 301 Fibered Acrylic Mastic                                              | White                        | 3.5G                 | 48                     | 42-46                         |
| 350 Silicone Mastic                                                     | White                        | 2G                   | 88                     | 24-46                         |
| 365 Repair Master                                                       | White                        | 2G                   | 88                     | 24-46                         |
| 370 UltraSeal                                                           | Grey                         | 10.1 oz. (24/carton) | 1,080 (45)             | 25 LF/tube                    |
| <b>COAT</b>                                                             |                              |                      |                        |                               |
| 400 High Performance Acrylic Coating<br><i>Meets ASTM D6083, Type I</i> | White, Tan                   | 5G                   | 48                     | 63-167                        |
|                                                                         |                              | 55G                  | 4                      | 688-1,833                     |
|                                                                         |                              | 275G                 | 1                      | 3,438-9,167                   |
| 401 High Solids Acrylic Coating                                         | White, Tan                   | 5G                   | 48                     | 63-167                        |
|                                                                         |                              | 55G                  | 4                      | 688-1,833                     |
|                                                                         |                              | 275G                 | 1                      | 3,438-9,167                   |
| 420 Filtered Aluminum Coating                                           | Silver                       | 5G                   | 48                     | 333-500                       |
| 421 Non Filtered Aluminum Coating                                       | Silver                       | 5G                   | 48                     | 333-500                       |
| 450 High Solids Silicone Coating                                        | Light Gray                   | 5G                   | 48                     | 200-333                       |
|                                                                         | Dark Gray                    | 55G                  | 4                      | 2,200-3,667                   |
|                                                                         | Santa Fe Tan<br>White, Black |                      |                        |                               |
| <b>REINFORCE</b>                                                        |                              |                      |                        |                               |
| SMARTFAB 500 Polyester Reinforcement                                    | White                        | 4"                   | 180 (36)               | 100                           |
| SMARTFAB 501 Polyester Reinforcement                                    | White                        | 40"                  | 25                     | 1,080                         |
| *All sold 5/carton                                                      |                              | 6"                   | 180 (36)               | 150                           |
|                                                                         |                              | 12"                  | 120 (24)               | 300                           |
|                                                                         |                              | 20"                  | 90 (18)                | 500                           |
| <b>PROTECT</b>                                                          |                              |                      |                        |                               |
| 600 Acrylic Traffic Coat                                                | Yellow, Tan, Grey            | 5G                   | 48                     | 250                           |
| FlintRock Roofing Granule Yellow                                        | Yellow                       | 5G                   | 48                     | 500                           |

<sup>1</sup> Carton Quantity

<sup>2</sup> Coverage assumes range of approved specified application rates, some warranty duration dependent.

# SMARTCOAT™ Silicone versus Acrylic

## Silicone coatings are primarily valued for their high solids chemistry.

A coating with 95% solids will remain relatively the same thickness from application to cure whereas a coating with only 55% solids, will be approximately half as thick once cured. This correlates to higher warranty durations with less material or labor with silicone.

Acrylic coatings are less expensive per gallon- for 10-year warranty durations acrylic restoration may be more cost effective.

## Popular Restoration Systems & Warranties

Once the existing roof is properly prepared and watertight, coatings are applied in varying gallons per square, depending on the desired warranty duration.



**SILICONE**

**ACRYLIC**

|                             | SILICONE            | ACRYLIC               |
|-----------------------------|---------------------|-----------------------|
| Chemistry                   | Inorganic           | Organic               |
| Ponding Water               | Stable              | Unstable              |
| Application Temperature     | 40°F                | 50°F                  |
| Cure Method                 | Moisture            | Evaporation           |
| Rain Resistance/Seasonality | High/Long           | Low/Shorter           |
| Material Cost (per gallon)  | More                | Less                  |
| Application                 | Roller or Spray Rig | Roller or Spray Rig   |
| Solids by Volume            | 95% ±2              | 50-55%                |
| Labor (20-year warranty)    | Less                | More                  |
| Reinforced (field)          | Generally, No       | Not Always but Common |
| Slippery Surface            | Yes                 | Yes, less             |
| Reflectivity                | High                | High                  |
| Dirty Surface (over time)   | More                | Less                  |

| Warranty Duration | Existing Roof         | Prep Layer                    | Coating              | Layer 1 | Layer 2 | Layer 3 |
|-------------------|-----------------------|-------------------------------|----------------------|---------|---------|---------|
| 10                | Membrane <sup>1</sup> | #200 recommended <sup>2</sup> | #400/401/405 Acrylic | 1.5G    | 1.5G    | —       |
| 15                | Membrane <sup>1</sup> | #200 required <sup>2</sup>    | #450 Silicone        | 2G      | —       | —       |
| 20                | Metal                 | #210 (only if needed)         | #400 Acrylic         | 2G      | 1.5G    | 1.5G    |
| 20                | Membrane <sup>1</sup> | #200 required <sup>2</sup>    | #450 Silicone        | 2.5G    | —       | —       |

<sup>1</sup> Membrane includes asphaltic or single-ply

<sup>2</sup> #200 would only be used on existing asphaltic roofs

## PRODUCTS & SYSTEM WARRANTIES

CertainTeed offers system dependent, asphaltic membrane limited warranty durations between ten and twenty-five years. Additionally, Credentialed Contractors can increase warranty durations 25% by engaging in an Integrity Maintenance Agreement with their client.

### Asphaltic Membrane Limited Warranties

|                         | Limited Warranty on Materials                                                             | Integrity Roof System™ Limited Warranty                                           | Integrity Roof System ND Limited Warranty                                                                                      |
|-------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Contractor Requirements | None                                                                                      | None                                                                              | Silver or Gold Star Modified Bitumen Credential                                                                                |
| Coverage                | Warranty covers leaks caused by manufacturer defects in CertainTeed cap sheets only       | Warranty covers leaks caused by manufacturer defects in CertainTeed products only | Warranty covers leaks caused by manufacturer defects in CertainTeed products and/or approved partner-brands and/or workmanship |
| Obtain                  | <a href="https://www.ctndl.com/sf/warranty.asp">https://www.ctndl.com/sf/warranty.asp</a> |                                                                                   | Application submitted through <a href="http://www.ctndl.com">www.ctndl.com</a>                                                 |

### Asphaltic and Accessory Stand-alone Warranties

|                         | Enhanced Wind Warranty Endorsement                                                   | FlintBoard® Limited Warranty                                                              | SmartFlash® ONE Limited Warranty                                                  |
|-------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Contractor Requirements | Silver or Gold Star Modified Bitumen Credential                                      | —                                                                                         | —                                                                                 |
| Coverage                | Warranty covers roof system detachment in accordance to primary CertainTeed Warranty | Warranty covers thermal insulation R-value in FlintBoard products                         | Warranty covers leaks caused by manufacturer defects in CertainTeed products only |
| Obtain                  | Application submitted through Technical Services                                     | <a href="https://www.ctndl.com/sf/warranty.asp">https://www.ctndl.com/sf/warranty.asp</a> |                                                                                   |

### SMARTCOAT™ Limited Warranties

|                         | SMARTCOAT Limited Warranty on Materials                                                   | CertainTeed Integrity Roof System Limited Warranty, SMARTCOAT Extension                                                  | SMARTCOAT No Dollar Limited (NDL) Limited Warranty                                             | CertainTeed Integrity Roof System ND Limited Warranty, SMARTCOAT Extension                                                                  |
|-------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Contractor Requirements | None                                                                                      | Gold Star Liquid-Applied Contractor                                                                                      |                                                                                                |                                                                                                                                             |
| Coverage                | Warranty covers manufacturing defects in SMARTCOAT products only                          | Warranty covers leaks caused by manufacturing defects in a preexisting CertainTeed low-slope roof and SMARTCOAT products | Warranty covers leaks caused by manufacturing defects in SMARTCOAT products and/or workmanship | Warranty covers leaks caused by manufacturing defects in a preexisting CertainTeed low-slope roof and SMARTCOAT products and/or workmanship |
| Obtain                  | <a href="https://www.ctndl.com/sf/warranty.asp">https://www.ctndl.com/sf/warranty.asp</a> | Application submitted through Technical Services                                                                         |                                                                                                |                                                                                                                                             |

### Warranty Fees

There are no fees associated with a Limited Warranty on Materials, an Integrity Roof System™ Limited Warranty, a SMARTCOAT™ Limited Warranty on Materials, a CertainTeed Integrity Roof System™ Limited Warranty, SMARTCOAT Extension, a FlintBoard® Limited Warranty, or a SmartFlash® ONE Limited Warranty.

### Integrity Roof System ND Limited Warranties & SMARTCOAT ND Limited Warranties

Subject to CertainTeed published requirements, ND Warranties are available to CertainTeed-approved contractors based on the following fee schedule:

| Built-Up Roofing (Non-Modified) Specifications |                                      | Modified Bitumen Roofing Specifications |                                      |                   | SMARTCOAT Specifications             |                                      |
|------------------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------|-------------------|--------------------------------------|--------------------------------------|
| Warranty Duration                              | Warranty Fee                         | Warranty Duration                       | Warranty Fee                         | Warranty Duration | Warranty Fee Acrylic                 | Silicone                             |
| 10 Years                                       | \$6.00 per square (\$600 minimum)    | 10 & 12 Years                           | \$4.00 per square (\$400 minimum)    | 10 Years          | \$7.00 per square (\$1,000 minimum)  | \$10.00 per square (\$1,000 minimum) |
| 15 Years                                       | \$10.00 per square (\$1,000 minimum) | 15 Years                                | \$7.50 per square (\$750 minimum)    | 15 Years          | \$9.00 per square (\$1,500 minimum)  | \$12.00 per square (\$1,500 minimum) |
| 20 Years                                       | \$15.00 per square (\$1,500 minimum) | 20 Years                                | \$12.50 per square (\$1,250 minimum) | 20 Years          | \$11.00 per square (\$2,000 minimum) | \$15.00 per square (\$2,000 minimum) |
| N/A                                            | N/A                                  | 25 years*                               | \$15.00 per square (\$1,500 minimum) | N/A               | N/A                                  | N/A                                  |

\* Subject to additional requirements. Contact Tech Services 1-800-396-8134 x2. ND Warranties are fully transferrable subject to \$500 fee and inspection, subject to change at any time.

### Enhanced Wind Warranty Fee Schedule

|               |                    |
|---------------|--------------------|
| 55 - 80 mph   | \$1.00 per square  |
| 81 - 90 mph   | \$2.00 per square  |
| 91 - 100 mph  | \$4.00 per square  |
| 101 - 110 mph | \$8.00 per square  |
| 111 - 120 mph | \$10.00 per square |
| 121 - 135 mph | \$15.00 per square |

If Professional Engineering Stamp is required, additional \$1,000 fee.

Wind endorsement fee schedule for ND, minimum 100 sq. Contact Tech Services 1-800-396-8134 x2.

NOTE: All roofs require regular inspections and periodic maintenance to achieve their expected life. Roofs should be expected at least twice yearly, in the spring and fall. Additionally, all roofs should be inspected after any severe weather or storms. Failure to properly maintain the roof system voids all CertainTeed Commercial Roofing Limited Warranties.



Scan for access to warranty application/registration links, warranty samples and Commercial Roof Maintenance Program details