TABLE OF CONTENTS

Specification Nomenclature

APP Warranty Matrix

APP-C-2-T
APP-C-3-T
APP-C-4-T
APP-I-2-T
APP-I-3-T
APP-I-4-T
APP-IN-2-T
APP-IN-3-T
APP-IN-4-T
APP-N-2-T
APP-N-3-T
APP-N-4-T
APP-IN-2-CF
Please note: Each CertainTeed roof system specification includes multiple base, interply (if applicable) and cap sheet options. Warranty durations are dependent on both system specification and product pairing.

CertainTeed publishes the Commercial Roof Systems Specifications to guide in the specification of low-slope roof systems. The specifications are classified in alphanumeric combinations such as BUR(M)-N-5-A where:

<table>
<thead>
<tr>
<th>Cap Sheet</th>
<th>(Surfacing)</th>
<th>Base Attachment</th>
<th>Number of Plies</th>
<th>Cap Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA Self Adhered</td>
<td>(G) Gravel Surface</td>
<td>C Fully-adhered/Non-insulated substrate</td>
<td>2, 3, 4, 5</td>
<td>S Self Adhered</td>
</tr>
<tr>
<td>APP Atactic Polypropylene</td>
<td>(M) Mineral Surfaced Cap Sheet</td>
<td>I Fully-adhered/Insulated substrate</td>
<td></td>
<td>T Torch Welded</td>
</tr>
<tr>
<td>SBS Styrene Butadiene Styrene</td>
<td>(S) Smooth</td>
<td>IN Mechanically attached through insulated substrate</td>
<td></td>
<td>A Hot Asphalt</td>
</tr>
<tr>
<td>BUR Built Up Roofing</td>
<td></td>
<td>N Mechanically attached through non-insulated substrate</td>
<td></td>
<td>C Cold Process (adhesive)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>CF CertaFast (base sheet Application)</td>
</tr>
</tbody>
</table>
### WARRANTY DURATION MATRIX

Roll goods listed under Base, Interply or Cap columns and separated by a comma are options for system configurations within each respective warranty duration row; these are not intended to be installed together or additively.

## APP SYSTEMS WITH BASE SHEET ADHERED

<table>
<thead>
<tr>
<th>Warranty Duration</th>
<th>Warranty Fee (100 Sq Min)</th>
<th>Insulation/Coverboard</th>
<th>Base</th>
<th>Interply</th>
<th>Cap</th>
<th>Applicable Specs</th>
<th>Notes</th>
</tr>
</thead>
</table>
| 12 years          | $4.00/Sq                  | Optional               | Glasbase™ Base Sheet, Yosemite® Venting Base Sheet | —       | Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA®, Flintlastic STA Plus | APP-C-2-T, APP-I-2-T | Optional
|                   |                           |                        | Yosemite® Venting Base Sheet | —       | Flintlastic GTA-FR | APP-C-2-T, APP-I-2-T | Optional
|                   |                           |                        | Optional1                     | —       | Flintlastic STA Plus | APP-I-2-T approved for re-cover | Optional
|                   |                           |                        | Optional1                     | —       | Optional | — | Optional
|                   |                           |                        | Optional1                     | —       | Optional | — | Optional
| 15 years          | $7.50/Sq                  | Optional               | Glasbase™ Base Sheet, Flintlastic APP Base T, All Weather/Empire Base, Yosemite® Venting Base Sheet | —       | Flintlastic GTA-FR, Flintlastic STA Plus | APP-C-2-T, APP-I-2-T | Optional
| 15 years          | $7.50/Sq                  | Optional               | Flintlastic APP Base T Black Diamond® Base Sheet | Optional | Optional | — | Optional
| 20 years          | $12.50/Sq                 | Optional               | Black Diamond Base Sheet      | Optional | Optional | — | Optional
|                   |                           |                        | All Weather/Empire Base, Flintlastic STA Plus | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
| 25 years          | $15.00/Sq                 | Optional               | All Weather/Empire Base, Flintlastic Poly SMS, Black Diamond Base Sheet | —       | Flintlastic STA Plus | APP-C-3-T, APP-I-3-T | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional
|                   |                           |                        | Optional | Optional | Optional | — | Optional

Notes:
1. If “Optional” Insulation/Coverboard is utilized, refer to “APP-I-2-T”.
2. If “Optional” Insulation/Coverboard is utilized, refer to “APP-I-3-T”.
3. Requires coating of FlintCoat® A-300 or FlintCoat W.
4. Requires coating of FlintCoat A-300 or FlintCoat W; proof of recoat required in year 10 and 20.
5. If “Optional” interply is utilized, ply number in specification ID increases by one (i.e APP-I-2-T becomes APP-I-3-T).
## WARRANTY DURATION MATRIX

Roll goods listed under Base, Interply or Cap columns and separated by a comma are options for system configurations within each respective warranty duration row; these are not intended to be installed together or additively.

### APP SYSTEMS WITH MECHANICALLY ATTACHED BASE SHEET

<table>
<thead>
<tr>
<th>Warranty Duration</th>
<th>Warranty Fee (100 Sq Min)</th>
<th>Insulation/Coverboard</th>
<th>Base</th>
<th>Interply</th>
<th>Cap</th>
<th>Applicable Specs</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 years</td>
<td>$4.00/Sq</td>
<td>Optional1</td>
<td>Glasbase™ Base Sheet, Flintlastic APP Base T, All Weather/Empire® Base Sheet, Yosemite® Venting Base Sheet</td>
<td>—</td>
<td>Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA, Flintlastic STA Plus</td>
<td>APP-IN-2-T, APP-N-2-T</td>
<td>Approved for re-cover</td>
</tr>
<tr>
<td>15 years</td>
<td>$7.50/Sq</td>
<td>Optional1</td>
<td>Glasbase™ Base Sheet, Flintlastic APP Base T, All Weather/Empire® Base Sheet</td>
<td>—</td>
<td>Flintlastic GTA-FR, Flintlastic STA Plus</td>
<td>APP-IN-2-T, APP-N-2-T</td>
<td>Approved for re-cover</td>
</tr>
<tr>
<td>15 years</td>
<td>$7.50/Sq</td>
<td>Optional1</td>
<td>Glasbase Base Sheet, Flintlastic APP Base T, All Weather/Empire Base Sheet</td>
<td>Flintlastic APP Base T, Black Diamond® Base Sheet</td>
<td>Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA, Flintlastic STA Plus</td>
<td>APP-IN-3-T, APP-N-3-T</td>
<td>—</td>
</tr>
<tr>
<td>20 years</td>
<td>$12.50/Sq</td>
<td>Optional1</td>
<td>Glasbase Base Sheet, All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS</td>
<td>Flintlastic Ultra Glass SA, Black Diamond® Base Sheet, Flintlastic STA, Flintlastic Ultra Poly SMS</td>
<td>Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA, Flintlastic STA Plus</td>
<td>APP-IN-3-T, APP-N-3-T</td>
<td>—</td>
</tr>
<tr>
<td>20 years</td>
<td>$12.50/Sq</td>
<td>Single layer, minimum 1.5&quot; and approved coverboard</td>
<td>CertaFast system with Flintlastic Ultra Poly SMS</td>
<td>—</td>
<td>Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA Plus</td>
<td>APP-IN-2-CF</td>
<td>—</td>
</tr>
<tr>
<td>25 years</td>
<td>$15.00/Sq</td>
<td>Optional1</td>
<td>All Weather/Empire Base Sheet, Flintlastic Base 20, Flintlastic Poly SMS</td>
<td>Flintlastic STA Plus, Flintlastic Ultra Glass SA, Flintlastic Ultra Poly SMS</td>
<td>Flintlastic GTA, Flintlastic GTA-FR, Flintlastic STA Plus</td>
<td>APP-IN-3-T, APP-N-3-T</td>
<td>—</td>
</tr>
</tbody>
</table>

**Notes:**
- Unless noted, prior approval required by CT Tech Services for re-cover.
- Yosemite Venting Base Sheet may be appropriate over Lightweight Insulating Concrete or in re-cover applications.
- 1. If “Optional” Insulation/Coverboard is utilized, refer to “APP-IN-2-T”*
- 2. If “Optional” Insulation/Coverboard is utilized, refer to “APP-IN-3-T”*
- 3. Requires coating of FlintCoat A-300 or FlintCoat W.
- 4. Requires coating of FlintCoat A-300 or FlintCoat W; proof of recoat required in year 10 and 20.
SUBSTRATE:
• Concrete (Sec. 3.6-3.9)
• Wood (Sec. 3.10-3.11)
• Poured Gypsum (Sec 3.12)

MAXIMUM SLOPE:
Up to 6” : 12” (Sec. 15.3)

ROOF ASSEMBLY:
Approved base sheet set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved cap sheet, torch-welded (Sec. 8.0).

SUMMARY OF MATERIALS:
• FlintPrime® asphalt primer
• Base sheet (1 ply)
• Cap sheet (1 ply)
• ASTM D 312 asphalt (one mopping) (No moppings if base is torch-welded or self-adhered)

APPROVED BASE SHEETS:
(one of the following)
Hot Asphalt Applied
• All Weather/Empire® Base Sheet
• Flintlastic Base 20
• Flintlastic Poly SMS
• Flintlastic Ultra Poly SMS
• Glasbase® Base Sheet
• Yosemite® Venting Base Sheet

Torch Welded
• Flintlastic APP Base T
• Flintlastic STA
• Flintlastic STA Plus
• Flintlastic Ultra Poly SMS

Self-Adhered
• Black Diamond® Base Sheet
• Flintlastic Ultra Glass SA

APPROVED CAP SHEETS:
(one of the following)
• Flintlastic GTA*
• Flintlastic GTA-FR*
• Flintlastic STA
• Flintlastic STA Plus

FINAL SURFACING:
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.

FLASHING ASSEMBLY:
• Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
• Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
• Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any Application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per Applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Adhered base sheet, adhered interply sheet and torch-welded APP modified cap sheet

SUBSTRATE:
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec 3.12)

MAXIMUM SLOPE:
Up to 6" : 12" (Sec. 15.3)

ROOF ASSEMBLY:
Approved base sheet, set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved interply sheet set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved cap sheet, torch-welded (Sec. 8.0).

SUMMARY OF MATERIALS:
- FlintPrime® asphalt primer
- Base sheet (1 ply)
- Interply sheet (1 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (two moppings)
  (No moppings if base and ply are torch-welded or self-adhered)

APPROVED BASE SHEETS:
(one of the following)
Hot Asphalt Applied
- All Weather/Empire Base Sheet
- Flintglas Ply 4
- Flintglas Premium Ply 6
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glassbase Base Sheet
- Yosemite Venting Base Sheet

Torch Welded
- Flintlastic STA
- Flintlastic STA Plus
- Flintlastic Ultra Poly SMS

Self-Adhered
- Black Diamond® Base Sheet
- Flintlastic Ultra Glass SA

APPROVED INTERPLY SHEETS:
(one of the following)
Hot Asphalt Applied
- All Weather/Empire Base Sheet
- Flintglas Ply 4
- Flintglas Premium Ply 6
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glassbase Base Sheet
- Yosemite Venting Base Sheet

Torch Welded
- Flintlastic STA
- Flintlastic STA Plus
- Flintlastic Ultra Poly SMS

Self-Adhered
- Black Diamond Base Sheet**
- Flintlastic Ultra Glass SA**

APPROVED CAP SHEETS:
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

FINAL SURFACING:
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

FLASHING ASSEMBLY:
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

Asphalt: Type III or Type IV (Sec. 7.0).
Cants: In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

* Available with CoolStar® reflective granules
** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any Application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per Applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Adhered base sheet, two adhered interply sheets and torch-welded APP modified cap sheet

**SUBSTRATE:**
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec 3.12)

**MAXIMUM SLOPE:**
Up to 6” : 12” (Sec. 15.3)

**ROOF ASSEMBLY:**
Approved base sheet, set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).

Two approved interply sheets set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).

Approved cap sheet, torch-welded (Sec. 8.0).

**SUMMARY OF MATERIALS:**
- FlintPrime® asphalt primer
- Base sheet (1 ply)
- Interply sheet (2 plies)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (three mopings)
- (No mopings if base is torch-welded or self-adhered)

**APPROVED BASE SHEETS:**
(one of the following)

- Hot Asphalt Applied
  - All Weather/Empire® Base Sheet
  - Flintglas Base 20
  - Flintlastic Ultra Poly SMS

- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS

- Self-Adhered
  - Black Diamond® Base Sheet
  - Flintlastic Ultra Glass SA

**APPROVED INTERPLY SHEETS:**
(two of the following)

- Hot Asphalt Applied
  - All Weather/Empire Base Sheet
  - Flintglas Ply 4
  - Flintglas Premium Ply 6
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase Base Sheet
  - Yosemite Venting Base Sheet

- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS

- Self-Adhered
  - Black Diamond Base Sheet**
  - Flintlastic Ultra Glass SA**

**APPROVED CAP SHEETS:**
(one of the following)

- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0.

- Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

**FLASHING ASSEMBLY:**
- Standard. Over a base sheet or bonded to a primed substrate. One ply modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

**Asphalt:** Type III or Type IV (Sec. 7.0).

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

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* Available with CoolStar® reflective granules
** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

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Consult CertainTeed General Recommendations for noted section references.
APPROVED BASE SHEETS:
(one of the following)
Hot Asphalt Applied
- All Weather/Empire® Base Sheet
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase™ Base Sheet
- Yosemite® Venting Base Sheet
TORCH WELDED
- Flintlastic APP Base T**
- Flintlastic STA**
- Flintlastic STA Plus**
- Flintlastic Ultra Poly SMS**
Self-Adhered
- Black Diamond® Base Sheet
- Flintlastic Ultra Glass SA
APPROVED CAP SHEETS:
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

FLASHING ASSEMBLY:
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.
Asphalt: Type III or Type IV (Sec. 7.0).
Cants: In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.
* Available with CoolStar® reflective granules ** Over approved gypsum coverboards only

SUMMARY OF MATERIALS:
- One or more layers of insulation and/ or coverboard.
- Base sheet (1 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (one mopping)
(No moppings if base is torch-welded or self-adhered)

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Insulated substrates: adhered base sheet, adhered interply sheet and torch-welded APP modified cap sheet

**SUBSTRATE:**
- Steel (Sec. 3.5)
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Insulation (Sec. 4.0)
- Re-cover (Sec. 5.0)

**MAXIMUM SLOPE:**
Up to 6°: 12” (Sec. 15.3)

**ROOF ASSEMBLY:**
One or more layers of approved insulation and/or coverboard:
- Base layer mechanically attached and additional layers mechanically attached or adhered in hot asphalt or approved adhesive.
- Base layer and additional layers adhered in hot asphalt or approved adhesive.
- Vapor retarder/anchor sheets (Sec. 4.7).

**APPROVED BASE SHEETS:**
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire® Base Sheet
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase™ Base Sheet
  - Yosemite® Venting Base Sheet

**APPROVED INTERPLY SHEETS:**
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire Base Sheet
  - Flintglas Ply 4
  - Flintglas Premium Ply 6
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase Base Sheet
  - Yosemite Venting Base Sheet

**APPROVED CAP SHEETS:**
(One of the following)
- Torch Welded
  - Flintlastic GTA
  - Flintlastic GTA-FR
  - Flintlastic STA
  - Flintlastic STA Plus

**APPROVED BASE SHEETS:**
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire® Base Sheet
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS

**SUMMARY OF MATERIALS:**
- One or more layers of insulation and/or coverboard.
- Base sheet (1 ply)
- Interply sheet (1 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (two mopings) (No mopings if base is torch-welded or self-adhered)

**FLASHING ASSEMBLY:**
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash™, per CT detail.

**Asphalt:** Type III or Type IV (Sec. 7.0).

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

*Available with CoolStar™ reflective granules
**Over approved gypsum coverboards only
***Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus
Insulated substrates: adhered base sheet, two adhered interply sheets and torch-welded APP modified cap sheet

**SUMMARY OF MATERIALS:**
- One or more layers of insulation and/or coverboard.
- Base sheet (1 ply)
- Interply sheets (2 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (three moppings) (No moppings if base is torch-welded or self-adhered)

**APPROVED BASE SHEETS:**
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire® Base Sheet
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase® Base Sheet
  - Yosemite® Venting Base Sheet
- Torch Welded
  - Flintlastic APP Base T**
  - Flintlastic STA**
  - Flintlastic STA Plus**
  - Flintlastic Ultra Poly SMS**
- Self-Adhered
  - Black Diamond® Base Sheet
  - Flintlastic Ultra Glass SA

**APPROVED INTERPLY SHEETS:**
(Two of the following)
- Hot Asphalt Applied
  - All Weather/Empire Base Sheet
  - Flintglas Ply 4
  - Flintglas Premium Ply 6
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase Base Sheet
  - Yosemite Venting Base Sheet
- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS
- Self-Adhered
  - Black Diamond Base Sheet***
  - Flintlastic Ultra Glass SA***

**APPROVED CAP SHEETS:**
(one of the following)
- Hot Asphalt Applied
  - Flintlastic GTA*
  - Flintlastic GTA-FR*
  - Flintlastic STA
  - Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0. Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

**FLASHING ASSEMBLY:**
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

**Asphalt:** Type III or Type IV (Sec. 7.0).
**Cants:** In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3” face.

* Available with CoolStar® reflective granules
** Over approved gypsum coverboards only
*** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

**APPROVED BASE SHEETS:**
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire® Base Sheet
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase® Base Sheet
  - Yosemite® Venting Base Sheet
- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS
- Self-Adhered
  - Black Diamond Base Sheet***
  - Flintlastic Ultra Glass SA***

**WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.**

*Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.*

Consult CertainTeed General Recommendations for noted section references.
SUBSTRATE:
• Steel (Sec. 3.5)
• Wood (Sec. 3.10-3.11)
• Poured Gypsum (Sec. 3.12)
• Wood Fiber (Sec. 3.13)
• Insulation (Sec. 4.0)
• Re-cover (Sec. 5.0)

MAXIMUM SLOPE:
Up to 6") : 12") (Sec. 15.3)

ROOF ASSEMBLY:
One or more layers of approved insulation and/or coverboard:
• Insulation pre-secured with mechanical attachment.
Approved base sheet mechanically attached with approved screws and plates (Sec. 15.4.2).
Approved cap sheet, torch-welded (Sec. 8.0).

SUMMARY OF MATERIALS:
• One or more layers of insulation and/or coverboard
• Base sheet (1 ply)
• Cap sheet (1 ply)

APPROVED BASE SHEETS:
(one of the following)
• All Weather/Empire® Base Sheet
• Flintlastic APP Base T
• Flintlastic Base 20
• Flintlastic Poly SMS
• Flintlastic Ultra Poly SMS
• Glasbase® Base Sheet
• Yosemite® Venting Base Sheet

APPROVED CAP SHEETS:
(one of the following)
• Flintlastic GTA*
• Flintlastic GTA-FR*
• Flintlastic STA
• Flintlastic STA Plus

FINAL SURFACING:
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
• FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

FLASHING ASSEMBLY:
• Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
• Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
• Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

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

* Available with CoolStar® reflective granules

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Base sheet mechanically attached through insulated substrate, adhered interply sheet and torch-welded APP modified cap

**APP-IN-3-T**

**SUMMARY OF MATERIALS:**
- One or more layers of Insulation and/ or coverboard
- Base sheet (1 ply)
- Interply sheet (1 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (1 mopping) (no mopping if interply torch-welded or self-adhered)

**APPROVED BASE SHEETS:**
- All Weather/Empire® Base Sheet
- Flintlastic APP Base T
- Flintlastic Base 20
- Flintlastic Poly SMS

**APPROVED INTERPLY SHEETS:**
- Hot Asphalt Applied
  - All Weather/Empire Base Sheet
  - Flintglas Ply 4
  - Flintglas Premium Ply 6
  - Flintlastic APP Base T
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase Base Sheet
  - Yosemite Venting Base Sheet
- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS
- Self-Adhered
  - Black Diamond Base Sheet**
  - Flintlastic Ultra Glass SA**

**APPROVED CAP SHEETS:**
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0. Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.

**FLASHING ASSEMBLY:**
- **Standard.** Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- **Premium.** Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- **Premium Alternate.** Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

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

* Available with CoolStar® reflective granules
** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

**WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.**

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
SUBSTRATE:
- Steel (Sec. 3.5)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Wood Fiber (Sec. 3.13)
- Insulation (Sec. 4.0)
- Re-cover (Sec. 5.0)

MAXIMUM SLOPE:
Up to 6" : 12" (Sec. 15.3)

ROOF ASSEMBLY:
One or more layers of approved insulation and/or coverboard:
- Insulation pre-secured with mechanical attachment.
Approved base sheet mechanically attached with approved screws and plates (Sec. 15.4.2).
Two approved interply sheets set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved cap sheet, torch-welded (Sec. 8.0).

SUMMARY OF MATERIALS:
- One or more layers of Insulation and/or coverboard
- Base sheet (1 ply)
- Interply sheet (2 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (2 moppings)
  (no moppings if interply torch-welded or self-adhered)

APPROVED BASE SHEETS:
(one of the following)
- All Weather/Empire® Base Sheet
- Flintlastic APP Base T
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase™ Base Sheet
- Yosemite® Venting Base Sheet

APPROVED INTERPLY SHEETS:
(Two of the following)
Hot Asphalt Applied
- All Weather/Empire Base Sheet
- Flintglas Ply 4
- Flintglas Premium Ply 6
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase Base Sheet
- Yosemite Venting Base Sheet
Torch Welded
- Flintlastic APP Base T
- Flintlastic STA
- Flintlastic STA Plus
- Flintlastic Ultra Poly SMS
Self-Adhered
- Black Diamond Base Sheet**
- Flintlastic Ultra Glass SA**

APPROVED CAP SHEETS:
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

FINAL SURFACING:
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

FLASHING ASSEMBLY:
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

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

* Available with CoolStar® reflective granules
** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Base sheet mechanically attached through substrate and torch-welded APP modified cap

**SUBSTRATE:**
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Wood Fiber (Sec. 3.13)
- Re-cover (Sec. 5.0)

**MAXIMUM SLOPE:**
Up to 6" : 12" (Sec. 15.3)

**ROOF ASSEMBLY:**
Approved base sheet mechanically attached to approved substrate (Sec. 15.0)
Approved cap sheet, torch-welded (Sec. 8.0)

**SUMMARY OF MATERIALS:**
- Base sheet (1 ply)
- Cap sheet (1 ply)

**APPROVED BASE SHEETS:**
(one of the following)
- All Weather/Empire® Base Sheet
- Flintlastic APP Base T
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase™ Base Sheet
- Yosemite® Venting Base Sheet

**APPROVED CAP SHEETS:**
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

**FLASHING ASSEMBLY:**
- **Standard.** Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- **Premium.** Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- **Premium Alternate.** Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

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

*Available with CoolStar® reflective granules

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
SUBSTRATE:
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Wood Fiber (Sec. 3.13)
- Re-cover (Sec. 5.0)

MAXIMUM SLOPE:
Up to 6" : 12" (Sec. 15.3)

ROOF ASSEMBLY:
Approved base sheet mechanically attached to approved substrate (Sec. 15.0)
Approved interply sheet set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved cap sheet, torch-welded (Sec. 8.0).

SUMMARY OF MATERIALS:
- Base sheet (1 ply)
- Interply sheet (1 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (one mopping) (No moppings if base is torch-welded or self-adhered)

APPROVED BASE SHEETS:
(one of the following)
- All Weather/Empire® Base Sheet
- Flintlastic Poly SMS
- Glasbase™ Base Sheet
- Yosemite® Venting Base Sheet

APPROVED INTERPLY SHEETS:
(One of the following)
- Hot Asphalt Applied
  - All Weather/Empire Base Sheet
  - Flintglas Ply 4
  - Flintglas Premium Ply 6
  - Flintlastic Base 20
  - Flintlastic Poly SMS
  - Flintlastic Ultra Poly SMS
  - Glasbase Base Sheet
  - Yosemite Venting Base Sheet
- Torch Welded
  - Flintlastic APP Base T
  - Flintlastic STA
  - Flintlastic STA Plus
  - Flintlastic Ultra Poly SMS
- Self-Adhered
  - Black Diamond Base Sheet**
  - Flintlastic Ultra Glass SA**

APPROVED CAP SHEETS:
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

FINAL SURFACING:
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

FLASHING ASSEMBLY:
- Standard. Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- Premium. Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- Premium Alternate. Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

Asphalt: Type III or Type IV (Sec. 7.0).
Cants: In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

* Available with CoolStar™ reflective granules
** Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Base sheet mechanically attached through substrate, two adhered interply sheets and torch-welded APP modified cap

**SUBSTRATE:**
- Concrete (Sec. 3.6-3.9)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Wood Fiber (Sec. 3.13)
- Re-cover (Sec. 5.0)

**MAXIMUM SLOPE:**
Up to 6" : 12" (Sec. 15.3)

**ROOF ASSEMBLY:**
Approved base sheet mechanically attached to approved substrate (Sec. 15.0)
Two approved interply sheets set in hot asphalt (Sec. 7.0), torch-welded (Sec. 8.0) or self-adhered (Sec. 10.2).
Approved cap sheet, torch-welded (Sec. 8.0).

**SUMMARY OF MATERIALS:**
- Base sheet (1 ply)
- Interply sheets (2 ply)
- Cap sheet (1 ply)
- ASTM D 312 asphalt (two moppings) (No moppings if base is torch-welded or self-adhered)

**APPROVED BASE SHEETS:**
(one of the following)
- All Weather/Empire® Base Sheet
- Flintlastic APP Base T
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase™ Base Sheet
- Yosemite® Venting Base Sheet

**APPROVED INTERPLY SHEETS:**
(Two of the following)

**Hot Asphalt Applied**
- All Weather/Empire Base Sheet
- Flintglas Ply 4
- Flintglas Premium Ply 6
- Flintlastic Base 20
- Flintlastic Poly SMS
- Flintlastic Ultra Poly SMS
- Glasbase Base Sheet
- Yosemite Venting Base Sheet

**Torch Welded**
- Flintlastic APP Base T
- Flintlastic STA
- Flintlastic STA Plus
- Flintlastic Ultra Poly SMS

**Self-Adhered**
- Black Diamond Base Sheet**
- Flintlastic Ultra Glass SA**

**APPROVED CAP SHEETS:**
(one of the following)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0. Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

**FLASHING ASSEMBLY:**
- **Standard.** Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- **Premium.** Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- **Premium Alternate.** Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

**Asphalt:** Type III or Type IV (Sec. 7.0).
**Cants:** In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3" face.

*Available with CoolStar® reflective granules
**Not approved over Flintlastic APP Base T, Flintlastic STA or Flintlastic STA Plus

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.

Consult CertainTeed General Recommendations for noted section references.
Base sheet mechanically attached through insulated substrate with heat welded side laps and torch-welded APP modified cap

**SUBSTRATE:**
- Steel (Sec. 3.5)
- Wood (Sec. 3.10-3.11)
- Poured Gypsum (Sec. 3.12)
- Wood Fiber (Sec. 3.13)
- Insulation (Sec. 4.0)
- Re-cover (Sec. 5.0)

**MAXIMUM SLOPE:**
Up to 6" : 12" (Sec. 15.3)

**ROOF ASSEMBLY:**
One or more layers of approved insulation and approved gypsum coverboard:
- Base layer mechanically attached and additional layers mechanically attached or adhered in hot asphalt or approved adhesive.
- Base layer and additional layers adhered in hot asphalt or approved adhesive.
- Vapor retarder/anchor sheets (Sec. 4.7).

Approved base sheet mechanically attached to approved substrate with heat welded side laps (Sec. 15.4.3)

Approved cap sheet, torch-welded (Sec. 8.0).

**SUMMARY OF MATERIALS:**
- One or more layers of insulation and approved gypsum coverboard
- Base sheet (1 ply)
- Cap sheet (1 ply)

**APPROVED BASE SHEETS:**
- Flintlastic Ultra Poly SMS

**APPROVED CAP SHEETS:**
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

**FINAL SURFACING:**
For optional surfacing see Section 14.0.
Flintlastic STA and STA Plus (used as cap sheets) require reflective coating.
- FlintCoat A-300 or W (required over Flintlastic STA and STA Plus)

**FLASHING ASSEMBLY:**
- **Standard.** Over a base sheet or bonded to a primed substrate. One ply Flintlastic modified cap sheet, per CT detail.
- **Premium.** Over a base sheet or bonded to a primed substrate. One smooth and one granulated modified membrane flashing, per CT detail.
- **Premium Alternate.** Over a base sheet or bonded to a primed substrate. One smooth modified membrane and CT SmartFlash®, per CT detail.

Asphalt: Type III or Type IV (Sec. 7.0).
Cants: In angles of roof deck and vertical surfaces, the roofing contractor shall furnish and install an approved cant strip with a minimum 3” face.
* Available with CoolStar® reflective granules

WARRANTY DURATIONS FOR THIS SPECIFICATION VARY BASED ON ROLL MATERIAL SELECTION; SEE WARRANTY MATRIX.

Applicable local building code may require more stringent installation requirements such as, but not limited to, increased fastener or adhesive densities to meet required wind uplift pressures. Consult local building code and uplift requirements prior to any application of CertainTeed roofing materials. CertainTeed is not responsible for failure to install roofing products per applicable local building codes.