Insulated substrates: adhered base sheet, two adhered interply sheets 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 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:**
- 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)
- Flintlastic GTA*
- Flintlastic GTA-FR*
- Flintlastic STA
- Flintlastic STA Plus

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

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

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**APP-1-4-T**

Consult CertainTeed General Recommendations for noted section references.