

DA-2022-01
January 2022 Specification and Detail Updates
January 18, 2022

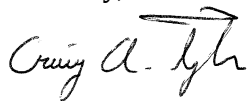
To: Carlisle SynTec Systems' Manufacturer's Representatives, Distributors, and Authorized Applicators

Carlisle's Specifications and Details have been updated and uploaded to the Carlisle SynTec website. Some of the changes include:

- Added 5' x 100' Sure-Tough™ to available sizes in EPDM Specifications
- Modified Thermoplastic Scupper Details (U-18A, U-18B, U-18C, and U-18D), added clarification notes and new isometrics
- Added detail U-13H PVC/KEE HP Tie-In to Existing Single-Ply Roof Membranes on Metal Deck, which illustrates a tie-in condition using SecurTAPE™ and Sure-Flex™ PVC Low-VOC PVC Step 1 Activator and Sure-Flex PVC Step 2 Primer
- Added Detail FB-27 FleeceBACK® Membrane Attachment Using Bead Adhesive, which illustrates 4", 6", and 12" bead spacing for FleeceBACK membranes

For a detailed list of revisions and alterations to the details, please refer to the January 2022 Specification Updates Design Advisory, which is available on the Carlisle SynTec website.

Sincerely,



Craig A. Tyler
Architect, Design Services

Design Advisory – January 2022 Specification Updates

EPDM Specification Changes

- Modified Table III Mechanically Fastened Roofing Systems Fastening Criteria up to 20-Year Warranty, 22-Gauge Steel and Structural Concrete Decks to replace 4.5' with 5' for perimeter sheet widths for 80 MPH and 90 MPH rows.
- Modified Table IV Mechanically Fastened Roofing Systems Fastening Criteria, up to 20-Year Warranty, Wood Decks to replace 4.5' with 5' for perimeter sheet widths for 55 MPH and 72 MPH rows, as well as note.
- Added 5' x 100' Sure-Tough to Sure-Tough Reinforced Membrane Size Availability table in product section.
- Removed 60-mil Sure-Tough FR from product section. Removed the designation of 'Standard' in this table (because FR is deleted, there is now only standard).
- Removed discontinued Solvent- Free Bonding Adhesive from product section.
- Added CAV-PRIME pressurized cylinders as container/packaging options for HP-250 and Low- VOC EPDM and TPO Primer in product section.
- Added "90-8-30A, x-23 LVOC, Low-VOC Bonding Adhesive, or Aqua Base 120" to Membrane Securement/Bonding – Adhered Roofing Systems in installation section.
- Added Membrane Securement/Bonding – Adhered Roofing Systems (CAV-GRIP® III) procedures to installation section.

EPDM Detail Changes

- MF-2.1- Mechanically Fastened EPDM Securement, Option 1 – Modified to replace 4'-6" with 5'-0" for perimeter sheet width dimension.
- MF-2.2 Mechanically Fastened EPDM Securement, Option 2 (RUSS) – Modified to replace 4'-6" with 5'-0" for perimeter sheet width dimension.
- MF-2.3 Mechanically Fastened EPDM Securement, Option 3 (RUSS) – Modified to replace 4'-6" with 5'-0" for perimeter sheet width dimension.
- U-15D.1 Inside Corner Flashing for Projects with 90-mil Membrane or 25/30 Year Warranties – Modified to add note 3, "Apply primer and SecurTAPE to adhere pig ear to the wall."

Thermoplastic (TPO/PVC/KEE HP) Specification Changes

- Modified note for T-Joint Covers under (3.06C, note 6) Part III, Heat Welding Procedures, Membrane Welding section, eliminated use of Sure-Flex Non-Reinforced Flashing for T-Joints.

- In Attachment I – Induction Welding (RhinoBond®/isoweld®) Attachment Method modified note 1 to Table I Induction Welded Membrane Systems Warranty Options to read, “All T-Joints must be overlaid with appropriate flashing material when using 60- or 80-mil TPO or 80-mil PVC/KEE HP membrane.”

Thermoplastic (TPO/PVC/KEE HP) Detail Changes

- FP-1 Induction Welding Attachment Method, Fastening Patterns/Enhancements – Added detail in its entirety to Attachment I, Induction Welding (RhinoBond/isoweld) Attachment Method. Illustrates 6, 8, 9, 10, 12, and 15 fasteners per 4’ x 8’ board patterns for induction welded assemblies.
- FP-2 Induction Welding Attachment Method Fastening Patterns/Enhancements – Added detail in its entirety to Attachment I, Induction Welding (RhinoBond/isoweld) Attachment Method. Illustrates 16, 18, 20, and 24 fasteners per 4’ x 8’ board patterns for induction welded assemblies.
- U-18BT Scupper at Deck with Pressure- Sensitive Elastoform – Added detail in its entirety.
- U-1A SecurSeal Drip Edge Fascia – Modified caution for use of this detail with significant snow or ice.
- U-1G Pressure-Sensitive PVC/KEE HP Cover Strip– Added caution for use of this detail with significant snow or ice.
- U-12A Parapet Flashing Fastened into Deck – Replaced “Crease” with “Press” in note.
- U-12A.1 Parapet Flashing Fastened into Wall – Replaced “Crease” with “Press” in note.
- U-12B Parapet Flashing with Pressure-Sensitive RUSS, Page 1 of 2 – Replaced “Crease” with “Press” in note.
- U-13G PVC/KEE HP Tie-In to Existing Single-Ply Roof Membranes on Concrete Deck– Modified drawing for clarity.
- U-13H PVC/KEE HP Tie-In to Existing Single-Ply Roof Membranes on Metal Deck – Added drawing in its entirety.
- U-18A Scupper with Coated Metal – Added notes for clarity. Added new isometric to reflect installation of materials.
- U-18B Scupper at Deck (TPO) – Added notes for clarity. Added a layer of Elastoform to this detail.
- U-18C Scupper with Sure-Flex Non-Reinforced PVC/KEE HP Flashing – Changed title of previous detail and added notes for clarity.
- U-18D Scupper with Sure-Flex PVC/KEE HP PS Cover Strip Flashing – Added additional notes for clarity. Added new isometric to reflect installation of materials.

FleeceBACK (TPO/PVC/KEE HP) Specification Changes

- Added “PVC” to Title, “Attachment IV – FleeceBACK EPDM/TPO/PVC Membrane Option” in Table of Contents.
- Modified HyrdroBond™ Water-Based Adhesive product description in Part 2, Products to include, “The use of HyrdroBond with FleeceBACK EPDM is not approved for use with coated glass faced products.”
- Modified Note 9 in Attachment II, Mechanically Fastened Membrane Option, Roof Deck and Substrate Criteria to read, “Direct application for FleeceBACK KEE HP only. FleeceBACK PVC requires insulation”.

FleeceBACK (TPO/PVC/KEE HP) Detail Changes

- RL-2B TPO/PVC RL (RapidLock) Membrane Splices– Changed max warranty to 20 years.
- RL-12B.1 TPO/PVC RL (RapidLock) – Parapet/Curb Flashing with No Adhesive– Removed Cut Edge Sealant from Pressure-Sensitive Cover Strip.
- RL-12B.2 TPO/PVC RL (RapidLock) – Parapet/Curb Flashing with CAV-GRIP III (page 1 of 2) – Removed Cut Edge Sealant from Pressure-Sensitive Cover Strip.
- FB-27 FleeceBACK Membrane Attachment Using Bead Adhesive– Added detail in its entirety. Illustrates 4”, 6”, and 12” bead spacing for FleeceBACK membranes.

FleeceBACK AFX (EPDM/TPO) Specification Changes

- No changes.

FleeceBACK AFX (EPDM/TPO) Detail Changes

- No changes.

Spec Supplement

- G-02-22 Flexible FAST™ Adhesive Equipment and Set-Up Requirements for Full Spray, Bead, and Splatter Applications – Modified to update design reference numbers. Added reference to new detail FB-27.
- G-03-22 FleeceBACK and Insulation Attachment and Coverage Rates with Flexible FAST Adhesive – Modified to update design reference numbers. Added reference to new detail FB-27.
- G-05-22 Flashing Considerations/Metal Work – Modified to update design reference numbers.

Design References

- DR-10-22 Adhesives, Sealants and Primers Compatibility Guide – Modified to remove Solvent-Free EPDM Bonding Adhesive.