

**Winter 2024 Spec and Detail Updates
February 20, 2024**

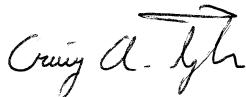
To: Carlisle SynTec Systems' Manufacturer's Representatives, Distributors, and Authorized Applicators

Carlisle's specifications and details have been updated and uploaded to the Carlisle SynTec Systems website. Some highlights of the changes include:

- Added Sure-Seal® gray 60-mil- thick non-reinforced membrane for EPDM.
- Revised numbers of perimeter sheets required for PVC membranes in Warranty Table V.
- Added Vapor Retarder design criteria for EPDM, TPO, PVC, FleeceBACK®, and FleeceBACK AFX membranes.
- Modified testing language in Spec Supplement G-17-23 – Electronic Leak Detection.
- Revised flood testing requirements for modular roof garden systems.

The complete list of changes can be found on the following pages of this announcement.

Sincerely,



Craig Tyler
Manager, Specification Development & Green Initiatives

Design Advisory – Winter 2024 Specification Update

EPDM:

Specifications:

- Added Sure-Seal gray 60-mil- thick non-reinforced membrane.
- Revised warranty table.
- Added 10' x 100' rolls available.
- Removed Table VIII.
- Revised Table I warranty information.
- Revised Table III: added Wood Plank and ¾" Plywood Decks to title.
- Revised Table IV: 55 mph and 72 mph perimeter sheet information.
- Main Spec & EPDM Ballasted Guide Spec: revised Quality Assurance to require submittal of photo of primer at perimeter RUSS securement for 30-year warranty projects.
- Main Spec & EPDM Ballasted Guide Spec: warranty upgrade to Sure-Seal 45-mil up to 25-year, Sure-Seal 60-mil up to 30-year.
- Revised attachment requirement for insulation board to 5 fasteners.
- Incorporated Vapor Retarder design criteria from Guide Spec.
- Table VIII: minimum perimeter width for insulation attachment for FleeceBACK added.
- "White on black" revised to "White" in reference to Sure-White® product description throughout specification.
- Table I and Table II, Note 1: "Low-VOC EPDM/TPO" added.
- Table I, Note 2: "15-year" revised to "20-year", "20-year" revised to "25-year".
- Cured non-reinforced EPDM product description: Revised to state that Sure-Seal gray is only available in 60-mil.
- Cured non-reinforced EPDM product description: Revised to include "Sure-Seal 60-mil membranes".
- Sure-Seal / Sure-White non-reinforced membrane properties table revised column heading below 60-mil from "Sure-White" to "White & Gray".
- Sure-Seal/Sure-White Pressure- Sensitive Curb Flashing revised to remove "Sure-White" as this product is discontinued.
- Sure-Seal/Sure-White Pressure Sensitive T-Joint Covers revised to include Sure-Seal (gray).
- Sure-Seal or Sure-White Inside/Outside Corners revised to include gray.
- Sure-White Pressure- Sensitive Pipe Seals revised to include Sure-Seal (gray).
- Sure-Seal/Sure-White Pressure-Sensitive Pourable Sealer Pocket revised to include "6" diameter for Sure-Seal (gray).
- Sure-Seal/Sure-White Pressure- Sensitive Walkway Pads revised to include gray.
- Membrane Splicing: Sure-Seal/Sure-White – Adhered or Ballasted Systems revised to include 25- year warranties.
- Ballasted roofing systems revised to include 30-year warranty.
- Sure-Seal SAT™ EPDM installation temperature revised / lowered to 20°F.

Details:

- U-18A: revised to be 20-year warranty option.
- Added U-18A.1 showing double layer of PS Elastoform.
- U-18.1: revised to show same double flashing as U-18CT in the TPO spec.
- Added universal detail U-16.2.
- U-2A & U-5A: T-Joint Cover only required on 80-mil PVC or KEE HP.
- U-8B: Cut-Edge Sealant is not required.
- MF-2A, 2B, 8A, 1A, 1B, 1D, 1E, 2A, 2B, and 5E: revised for 25 years.
- MF-2B.1: revised for 30-year only.
- MF-2D: revised top detail from 20-year to 25-year.
- MF-8A.1: revised warranty durations.
- U-1A.1, 1B.1, 1D.1, 2A.1, and 2B.1: revised for 30-year only.
- U-2C: removed portion of Note 3 for “25 and”.
- U-5A: removed portion of Note 4 for “25 and”.
- U-5C, Note 2: revised note 2 – “3 = 25 years”, “6” = 30 years”.
- U-6B: SecurTAPE™ widths revised, “3” = 25 year, “6” = 30 year”.
- U-6D, Note 3: revised for 30-year warranty only.
- U-8A: revised Note 5 to state 30-year; revised T-joint detail to state 25 -years.
- U-8A.1: revised for 30-year warranty only.
- U-12A, 12B: revised Note 2 to state 30-year warranty only.
- U-12B: revised Note 3 to state 30-year only.
- U-15F: revised Note 2 to state 30-year only, revised title to state 25 -years.
- U-18A: revised for 25 years.

TPO:

Specifications:

- Incorporated Vapor Retarder design criteria from Guide Spec.
- Table IX: added minimum perimeter width for insulation attachment for FleeceBACK

Details:

- TPC-16.1: Revised Note 2 “Primer is only required on the penetration”.

PVC:

Specifications:

- Incorporated Vapor Retarder design criteria from Guide Spec.
- Part I, General: revised to remove duplicated note.
- Page 9: removed editor’s note.
- Table 5: revised perimeter sheets for plywood to 2 perimeter sheets for 3 to 7 miles for 55 mph.
- Table 5: revised perimeter sheets for plywood to 3 perimeter sheets for less than 3 miles for 72 mph.

- Table 5: revised perimeter sheets for plywood to 2 perimeter sheets for 3 to 7 miles for 72 mph.
- Table 5: revised perimeter sheets for plywood to 3 perimeter sheets for 3 miles and less for 72 mph.
- Table II: added wood planks and $\frac{3}{4}$ " thick plywood as acceptable deck types.
- Table II: wood plank and $\frac{3}{4}$ " plywood decks added.
- Table III: removed "wood deck"; plywood and OSB decks are the only decks now listed.
- Revised T.O.C. to reflect revision to Table III "Plywood / OSB Decks."
- Table I, Note 3: removed Aqua Base 120 since this product cannot be used with PVC.
- Table I: revised additional membrane coverage column title.
- Page 34, Note 10: revised to state 225 psi.
- Page 41, 42: removed paragraph E. Not applicable for PVC; SAT is not available for PVC.
- Table 5: added "Gypsum Deck: Bead spacing @ 6" o.c."
- Table 7: added Minimum Perimeter Width for Insulation Attachment for FleeceBACK.
- Table I: (Purple Box) revised puncture note to state "minimum 80-mil".

Details:

- U-9 details: added note: "Termination bar must be fastened within 1" maximum of all section ends".
- U-12: revised to remove TPO 12" and 18" rule.
- U-1C, D, F, U-8F: fastener added to wood nailer.
- U-5D: red box (#6) removed.
- U-13C: revised fastener to fasten into wood nailer only, not through wood nailer into deck.
- U-18D: added warranty length of 20 years to bottom of detail.
- U-18-E: eliminated (duplicate detail).

FleeceBACK:

Specifications:

- Incorporated Vapor Retarder design criteria from Guide Spec.
- RapidLock: revised field bead attachment from 12" to 6".
- Main Spec & Guide Spec: removed reference to X-Tenda Coat General Purpose Cleaner and changed it to X-Tenda Coat Membrane Cleaner.

Details:

- FB-9 series details: formatted on multiple pages to include details 9A, 9B, 9C, 9D, 9E, and 9F. Warranty duration note added for each detail. Notes simplified for clarity. Adhesive revised to state "Approved Adhesive".

- FB-12A.1A: warranty duration added. “Splatter” added to detail title. Adhesive revised to state “Approved Adhesive”.
- FB-12A.1B: warranty duration added. “Splatter” added to detail title. Adhesive revised to state “Approved Adhesive”.
- FB-12B.1A: warranty duration added. “Splatter” added to detail title. Adhesive revised to state “Approved Adhesive”.
- FB-12B.1B: warranty duration added. “Splatter” added to detail title. Adhesive revised to state “Approved Adhesive”.
- FB-27.1 FleeceBACK Membrane Attachment Using Splatter: detail added.

FleeceBACK AFX:

Specifications:

- Incorporated Vapor Retarder design criteria from Guide Spec.

Details:

- No changes.

Spec Supplements:

- G-13-24 LIQUISEAL® Liquid Flashing: modified and added details.
- G-17-23 Electronic Leak Detection: updated FM testing, third-party testing, and warranty information regarding TruGround.
- T-01-23 Heat Welding Equipment: removed text “hook screwdriver to probe”.

Design References:

- No changes.

Specialty Specs:

- Modular Roof Garden Specialty Spec: revised flood testing requirements for modular roof garden systems.