

**Summer 2024 Specs and Details Update
August 20, 2024**

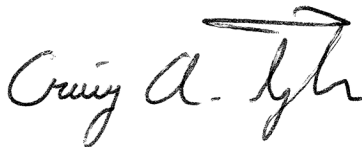
To: Carlisle SynTec Systems' Manufacturer's Representatives, Distributors, and Authorized Applicators

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

- Added Polyiso Eco products to EPDM, TPO, PVC/KEE HP, FleeceBACK®, and FleeceBACK AFX Specifications.
- Added 12'-wide SAT TPO to TPO Specification.
- Added SeamShield Protective Film to TPO Specification.
- Added Total Man Hours for Accidental Puncture Coverage to Warranty Tables in FleeceBACK Specification.
- Added Spec Supplement G-19 – 'Synthetic Turf System' to Spec Supplements.
- Revised Design Reference DR-05 – 'Insulation Fastening Patterns' to include 12'-long Polyiso boards.

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 – Summer 2024 Specification Update

EPDM:

Specifications:

1. Modified Table I – ‘Non-Reinforced EPDM Membrane Thickness for Various Warranty Options’, added applicable SAT products.
2. Modified Table II – ‘Reinforced EPDM Membrane Thickness for Various Warranty Options’, added applicable SAT products.
3. Modified Table III – ‘Mechanically Fastened Roofing Systems - Membrane Fastening Criteria – Up to 20 YR Warranty - Steel/Concrete Decks’ to change title to ‘Table III – Mechanically Fastened Roofing Systems Fastening Criteria Up to 20 YR Warranty 22 GA. Steel, Structural Concrete, Wood Plank, and 3/4” Plywood Decks’.
4. Modified Table IV – ‘Mechanically Fastened Roofing Systems - Membrane Fastening Criteria – Up to 20 YR Warranty - Wood (Plywood & OSB) Decks’, revised perimeter sheets under 72 MPH, 15/32” 3-Ply Plywood, Greater Than Seven Miles revised to “2” Perimeter Sheets.
5. Modified Table VI – ‘Adhered Roofing Systems - Underlayment Fastening Criteria - Up to 20 YR Warranty’, revised to include Polyiso Eco products.
6. Modified Table VI – ‘Adhered Roofing Systems - Underlayment Fastening Criteria - Up to 20 YR Warranty’, added note for gypsum decks requiring 6” o.c. bead spacing.
7. Modified Table VI – ‘Adhered Roofing Systems - Underlayment Fastening Criteria - Up to 20 YR Warranty’, added note for HP Recovery Board limit to 15 YR Warranty.
8. Modified Table VII- ‘Adhered Roofing Systems – Underlayment Fastening Criteria - 25 to 30 YR Warranty’, revised to include Polyiso Eco products.
9. Modified Table VII – ‘Adhered Roofing Systems – Underlayment Fastening Criteria - 25 to 30 YR Warranty’, added note for gypsum decks requiring 6” o.c. bead spacing.
10. Modified Section 2.03, Table B1 – ‘Polyisocyanurate’, added applicable Polyiso Eco products.
11. Modified Section 2.03, B to include product descriptions for applicable Polyiso Eco products.
12. Modified Section 2.03, Table F1 – ‘Cover Boards’, added applicable Polyiso Eco products.
13. Modified Section 2.03, F to include product descriptions for applicable Polyiso Eco products.
14. Modified Attachment II – Table 4 and 5 - ‘25/30 Year Warranty Design Enhancements’, revised Hail Coverage with 1” Dia. Hail Coverage requires minimum 45-mil.
15. Modified Attachment II – Table C – ‘Adhered System Criteria (25 YR to 30 YR Warranty)’, revised to include Polyiso Eco products.
16. Modified Attachment II – Table D – ‘Mechanically Fastened System Design Criteria (25 YR to 30 YR Warranty)’, revised to include “Polyiso Eco” products.
17. Removed year from Spec Supplement and Design Reference titles where referenced throughout documents.

Details:

1. Modified U-9 – ‘Membrane Terminations (Page 2 of 3)’, revised Note 1 in Part 9D – ‘Mechanical Termination at Vertical Joints’, to read “This detail is recommended for any project regardless of warranty”.

TPO:

Specifications:

1. Modified Section 1.01, B, Description for Sure-Weld® SAT by adding “12’ wide”.
2. Modified Table III – ‘TPO Membrane Fastening Criteria (Up to 20 Year Warranty – Up to 60’ Building Height) for Mechanically Fastening Roofing Systems Wood (Plywood or OSB) Decks’ revised title to “Table III – TPO Membrane Fastening Criteria (Up to 20 Year Warranty – Up to 60’ Building Height) for Mechanically Fastening Roofing Systems Plywood or OSB Decks”.
3. Modified Table III – ‘TPO Membrane Fastening Criteria (Up to 20 Year Warranty – Up to 60’ Building Height) for Mechanically Fastening Roofing Systems Wood (Plywood or OSB) Decks’, revised perimeter sheets under 55 MPH, 15/32” 5-Ply Plywood, 3 to 7 miles to 2 perimeter sheets, and less than 3 miles to 3 perimeter sheets.
4. Modified Table III – ‘TPO Membrane Fastening Criteria (Up to 20 Year Warranty – Up to 60’ Building Height) for Mechanically Fastening Roofing Systems Wood (Plywood or OSB) Decks’, revised perimeter sheets under 72 MPH, 15/32” 3-Ply Plywood, 240 lbs, 3 to 7 miles, to 3 perimeter sheets.
5. Modified Table V – ‘Adhered Roofing Systems - Underlayment and Fastening Density for TPO Assemblies with Warranties Up to 20 Yrs’ revised to include Polyiso Eco products.
6. Modified Table VI – ‘Adhered Roofing Systems - Underlayment and Fastening Density for TPO SAT Assemblies with Warranties Up to 20 Yrs’ revised to include Polyiso Eco products.
7. Modified Table VII – ‘Adhered Roofing Systems - Underlayment and Fastening Density for TPO Assemblies with Warranties - 25 to 30 YR’ revised to include Polyiso Eco products.
8. Modified Table VIII – ‘Adhered Roofing Systems - Underlayment and Fastening Density for TPO SAT Assemblies with Warranties – 25 to 30 YR’ revised to include Polyiso Eco products.
9. Modified Section 2.03, Table B1 – ‘Polyisocyanurate’, added applicable Polyiso Eco products.
10. Modified Section 2.03, B to include product descriptions for applicable Polyiso Eco products.
11. Modified Section 2.03, Table F1 – ‘Cover Boards’, added applicable Polyiso Eco products.
12. Modified Section 2.03, F to include product descriptions for applicable Polyiso Eco products.
13. Modified Section 2.04, B to revise product descriptions to include CAV-PRIME Low-VOC Primer.

14. Modified Section 2.08, B, revised termination bar description to change “Lap Sealant” to “Universal Single-Ply Sealant”.
15. Modified Section 3.06, added SeamShield™ Protective Film.
16. Modified Section 3.08, added SeamShield Protective Film.
17. Removed year from Spec Supplement and Design Reference titles where referenced throughout documents

Details:

1. Modified U-1D – ‘Carlisle SecurEdge 200’, removed image.
2. Modified U-1E – ‘Carlisle SecurEdge 300’, removed image.
3. Modified U-1F – ‘Carlisle SecurEdge 2000 & 3000’, removed image.
4. Modified U-8E – ‘CFA Certified Prefabricated Split Pipe Seal’, added Note: “T-Joint Covers are not required on white, tan, or gray prefabricated accessories. For all additional colors it is required to cover T-Joints.”
5. Modified U-9 – ‘Membrane Terminations (Page 2 of 3)’, revised Note 1 in Part 9D – ‘Mechanical Termination at Vertical Joints’, to read “This detail is recommended for any project regardless of warranty”.
6. Modified U-12A – ‘Parapet Base Flashing Fastened Into Deck or Wall’ and U-12B – ‘Parapet Flashing with Pressure-Sensitive RUSS, Page 1 of 2’, revised “adhered” to “all” in caution note.
7. Modified U-16C – ‘Field Fabricated TPO Coated Metal Pocket’, added note regarding securement with Pourable Sealer Pocket greater than 18” and prefabricated Pourable Sealer Pocket exceeding 12”.

PVC:

Specifications:

1. Modified Table V – ‘Underlayment/Insulation & Required Attachment Assemblies Up to 20 YR Warranty for Adhered PVC/KEE HP PVC Roofing’, revised to include Polyiso Eco products.
2. Modified Table VI – ‘Underlayment/Insulation & Required Attachment Assemblies 25 YR or 30 YR Warranty for Adhered PVC/KEE HP PVC Roofing Systems’, revised to include Polyiso Eco products
3. Modified Table VII – ‘Minimum Perimeter Width for FleeceBACK Membrane and Insulation Attachment for All Warranties Up to 30 YR’, revised to ‘Table VII – Minimum Perimeter Width for Insulation Attachment for All Warranties’.
4. Modified Section 2.03, Table B1 – ‘Polyisocyanurate’, added applicable Polyiso Eco products.
5. Modified Section 2.03, B to include product descriptions for applicable Polyiso Eco products.
6. Modified Section 2.03, Table F1 – ‘Cover Boards’, added applicable Polyiso Eco products.
7. Modified Section 2.03, F to include product descriptions for applicable Polyiso Eco products.
8. Modified Section 2.08, B, revised termination bar description to change “Lap Sealant” to “Universal Single-Ply Sealant”.

9. Removed year from Spec Supplement and Design Reference titles where referenced throughout documents.

Details:

1. Modified U-8E – ‘CFA Certified Prefabricated Split Pipe Seal’, added Note: “T-Joint Covers are not required on white, tan, or gray prefabricated accessories. For all additional colors it is required to cover T-Joints.”
2. Modified U-9 – ‘Membrane Terminations (Page 2 of 3)’, revised Note 1 in Part 9D – ‘Mechanical Termination at Vertical Joints’, to read “This detail is recommended for any project regardless of warranty”.
3. Modified U-12A – ‘Parapet Flashing Fastened Into Deck’ revised “adhered” to “all” in caution note.
4. Modified U-16B – ‘Field Fabricated PVC Coated Metal Pocket’, added note regarding securement with Pourable Sealer Pocket greater than 18” and prefabricated Pourable Sealer Pocket exceeding 12”.

FleeceBACK:

Specifications:

1. Modified Table I – ‘FleeceBACK Adhered Systems Warranty Options’, revised to include total Man Hours for Accidental Puncture Coverage.
2. Modified Table II – ‘Underlayment/Insulation & Required Attachment Assemblies Up to 20 YR Warranty’, revised to include Polyiso Eco products.
3. Modified Table II – ‘Underlayment/Insulation & Required Attachment Assemblies Up to 20 YR Warranty’, revised ribbon spacing to 12” o.c. for 55, 72, and 80 mph.
4. Modified Table III – ‘Underlayment/Insulation & Required Attachment Assemblies 25 YR or 30 YR Warranty’, revised to include Polyiso Eco products.
5. Modified Section 2.03, Table B1 – ‘Polyisocyanurate’, added applicable Polyiso Eco products.
6. Modified Section 2.03, B to include product descriptions for applicable Polyiso Eco products.
7. Modified Section 2.03, Table F1 – ‘Cover Boards’, added applicable Polyiso Eco products.
8. Modified Section 2.03, F to include product descriptions for applicable Polyiso Eco products.
9. Removed year from Spec Supplement and Design Reference titles where referenced throughout documents.
10. Modified Attachment IV – ‘FleeceBACK RL EPDM/TPO/PVC Membrane Option’, Table I – ‘FleeceBACK RL Adhered Systems Warranty Options’, revised to include total Man Hours for Accidental Puncture Coverage.

Details:

1. Modified FB-1B.1 – ‘SecurWeld Coated Drip Edge Fascia’, revised step 2 and 3 to show 3” flashing under membrane, 6” flashing over field membrane.
2. Modified FB-9 – ‘Membrane Terminations (Page 2 of 3)’, revised Note 1 in Part 9D – ‘Mechanical Termination at Vertical Joints’, to read “This detail is recommended for any project regardless of warranty”.

3. Modified FB-15A.1 – ‘EPDM Pressure-Sensitive Inside Corner’, added Note 3: “If using fleece membrane on the vertical, strip in splice with Elastoform prior to installing outside corner.”

FleeceBACK AFX:

Specifications:

1. Modified Table III – ‘Underlayment/Insulation & Required Attachment New Construction/Tear-Off – Up to 20 Year’, revised to include Eco products.
2. Modified Table IV – ‘Direct Application to Existing Roofing Materials – Up to 15 YR Warranty’, revised Title from 15-Year to 20-Year.
3. Modified Section 2.03, A, 1: Added applicable Eco products.
4. Modified Attachment I – ‘Mechanically-Fastened Option for Recover Application’, revised Warranty Criteria for 55-mph to 20-year.
5. Modified Attachment I – ‘Mechanically-Fastened Option for Recover Application’, revised Table 1 – ‘Membrane sheet width, fastener types, and fastening density’, revised ribbon spacing to 12” o.c. for 55, 72, and 80 mph.
6. Modified Attachment I – ‘Mechanically Fastened Option for Recover Application’, revised Table 2 – ‘Number of Perimeter Sheets’, revised to match standard fleece attachment.
7. Removed year from Spec Supplement and Design Reference titles where referenced throughout documents.

Details:

1. Modified AFX-9 – ‘Membrane Terminations (Page 2 of 2)’, revised Note 1 in Part 9E – ‘Mechanical Termination at Vertical Joints’, to read “This detail is recommended for any project regardless of warranty”.
2. Modified Detail AFX-12A – ‘Parapet/Curb with Separate Membrane Flashing’, revised to indicate 3” tape in lieu of 6” tape.

Spec Supplements:

1. Modified Spec Supplement G-09 – ‘Insulation Attachment and Details’, created new details for 12’ Polyiso indicating continuation of fasteners for an extended length board.
 - a. A-27A.1 - Carlisle Insulation Attachment (12’ Boards)
 - b. A-27B.1 - Minimum 2” Thick Carlisle HP-H/InsulBase®/SecurShield® Polyisocyanurate Insulation (12’ Boards)
 - c. A-27C.1 - Minimum 1-1/2” Carlisle HP-H/InsulBase/SecurShield Polyisocyanurate (12’ Boards)
 - d. MF-27E.1 - Insulation Attachment for All Warranty Lengths (12’ Boards)
2. Modified Spec Supplement G-14 – ‘VacuSeal – Vent Secured Roofing System’, added new details as follows:
 - a. V-1D – ‘Carlisle SecurEdge 2000’
 - b. V-1E – ‘Gravel Stop Edge’
 - c. V-1F - ‘Roof to Wall Flashing’

- d. V-5.2 - 'Curb Flashing – New Construction and Re-Roof (Recover)'
 - e. V-12A - 'Parapet or Wall – New Construction and Re-Roof (Recover)'
3. Modified Spec Supplement G-16 – 'Plaza Paver Systems', added Bison Wood pavers, GRO Pedestals and Grate and GridLoc Paver System. Added appropriate details as follows:
 - a. PD-F – Paver Detail - Wood Pavers on Adjustable Pedestals
 - b. PD-G – Paver Detail - GridLoc Paver on Pedestals
 4. Added new Spec Supplement G-19 – 'Synthetic Turf System', in its entirety with associated details.
 - a. ST-01 - Synthetic Turf System – Typical Section
 - b. ST-02 - Synthetic Turf System – Typical Section at Edge Condition
 - c. ST-03 - Synthetic Turf System – Fastener Layout
 - d. ST-04 - Synthetic Turf System – Roof Drain
 - e. ST-05 - Synthetic Turf System – Vertical Transition

Design References:

1. Modified Design Reference DR-05 – 'Insulation Fastening Patterns', added additional patterns for 4' x 12' insulation boards.
2. Modified Design Reference DR-06 – 'Withdrawal Resistance Criteria', added HP-X Fasteners as Approved Carlisle Fasteners for 22-gauge or higher Steel Decks.

Specialty Specs:

X-Tenda Coat Acrylic Coating:

1. Removed "Classic" from product name.
2. Revised Warranty duration to 10-, 15-, and 20-Years of coverage.
3. Revised Warranty Duration/Minimum Dry Film Thickness.
4. Section 2.02 Revised Coating description for Top Coat and Base Coat.
5. X-Tenda Coat Acrylic Mastic and X-Tenda Coat Reinforcement Fabric included.

X-Tenda Coat Silicone Coating:

1. Revised to 'recommend' Bleed Block primer.
2. Revised Warranty duration to 10-, 15-, and 20-Years of coverage.
3. Revised Warranty Duration/Minimum Dry Film Thickness.
4. Section 2.02 Revised Coating description.
5. Primers: Revised to include X-Tenda Coat Metal Primer, X-Tenda Coat Asphaltic BB Primer, and X-Tenda Coat TPO Primer
6. X-Tenda Coat XTRA Butter Grace Mastic, X-Tenda Coat XTRA Fiber Grade Mastic, X-Tenda Coat XTRA Fastener Sealant, and X-Tenda Coat Reinforcement Fabric included.
7. Modular Roof Garden Specialty Spec: Revisions requiring flood testing for modular roof garden systems.