



DESIGN ADVISORY

July 2023 Spec and Detail Update
August 7, 2023

To: Versico Roofing Systems' Independent Sales Representatives, Distributors, and Contractors

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

- Addition of EPDM 5' sheets with QA Seam Tape.
- Addition of Gray Universal Single-Ply Sealant.
- TPO and PVC are now two independent specifications.
- Addition of 16'-wide TPO rolls.
- Polyester Reinforced membrane is now available in widths of 40.5", 5', 81", and 10' wide (white, gray, light gray, slate gray, and tan).
- Fiberglass Reinforced membrane is now available in widths of 10' (white, gray, light gray, and tan).
- Addition of 60-mil VersiFlex™ PVC and VersiFlex KEE HP Reinforced Cover Strip.
- Addition of tan, gray, and light gray VersiFlex PVC Universal Corners and Pipe Flashings.
- Detail VF-27, Bullet #7 revised: Allow Flexible DASH™ Adhesive to rise and develop "string/body" (approx. 1½ – 2 min). String time will vary based on environmental conditions like temperature and humidity. Do not allow the adhesive to over-cure prior to setting insulation boards.

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

Sincerely,

A handwritten signature in black ink that reads "Craig A. Tyler".

Craig Tyler
Manager, Specification Develop & Green Initiatives



DESIGN ADVISORY

Design Advisory – July 2023 Specification Update

EPDM:

Specifications:

- Addition of 5' sheets with QA Seam Tape.
- Revisions to 15- and 20-year warranted products.
- Removed limitation of ½" SecurShield® HD at 90-mph; removed limitation of ½" SecurShield HD Plus at 120-mph.
- Revised Table IV – Mechanically Fastened Membrane Fastening Criteria from "Wood Decks" to "Wood (OSB/Plywood) Decks".
- Table I and II: Revised "Building Distance from Coastline".
- Addition of Polyisocyanurate VersiCore® NH and SecurShield NH Polyisocyanurate.
- Addition of VersiCore HD for mechanically fastened applications.
- Addition of DuraStorm VSH Cover Board.
- Revised Building Distance from Coastline for Membrane Fastening Criteria.
- Addition of gray Universal Single-Ply Sealant.
- Addition of SecurEdge 300 and 400 product lines to Edges and Terminations.
- Updated detail references throughout to reflect current detail numbering system.
- Revised EPDM Form Spec to eliminate 3" seam tape.
- Quality Assurance Addition of note to require polyisocyanurate insulation to meet PIMA Quality Mark Certified LTTR value through third party verification meeting ASTM C 1289, Type II, Class 1, Grade 2.

Details:

- Update to wall flashing height requirement to "above slush line".
- Pressure-Sensitive Cover Strip permitted for flashing of metal flanges.
- List of referenced details simplified to one comprehensive list of details.
- VGMA-8A.1: Flashing revised for clarity.
- VGC-2.2A: Graphic clarification for base layer of membrane.
- VGC-5.5 Title revised to "Self-Flashing Curb, Roof Hatch, or Skylight".
- VGC-5.5: Continuous metal flange added for clarity.
- VGC-2.2: Graphics revised for clarity.
- VGC-13.1: Graphics revised for clarity.
- VGC-13.2: QA Uncured EPDM Flashing and Lap Sealant revised for clarity.
- VGC-16.2: Callout for QA Uncured EPDM Flashing added.
- VGC-18.1: Added note "Scuppers without a continuous watertight design must be flashed in per detail U-15 Outside Corners".
- VGC-18.1: Note added referencing corners on Detail U-15; Title revised to "Metal Scupper with Continuous Flange at Deck".



DESIGN ADVISORY

TPO:

Specifications:

- July 2023 TPO Specification created from January 2023 Thermoplastic Specification. TPO and PVC are now two independent specifications.
- Revised Table III – Mechanically Fastened Membrane Fastening Criteria from “Wood Decks” to “Wood (OSB/Plywood) Decks”.
- Table I and II: Revised “Building Distance from Coastline”.
- Addition of Polyisocyanurate VersiCore NH and SecurShield NH Polyisocyanurate.
- Addition of VersiCore HD for mechanically fastened applications.
- Addition of DuraStorm VSH Cover Board.
- Addition of 16'-wide rolls.
- List of Special Colors added (slate gray, patina green, rock brown, medium bronze, terra cotta).
- Low-VOC Bonding Adhesive 1168 added.
- Quality Assurance Addition of note to require polyisocyanurate insulation to meet PIMA Quality Mark Certified LTTR value through third party verification meeting ASTM C 1289, Type II, Class 1, Grade 2.

Details:

- July 2023 TPO and PVC Details separated from Thermoplastic Details. TPO and PVC are now two independent specifications with specific details for each.

PVC:

Specifications:

- July 2023 PVC Specification created from January 2023 Thermoplastic Specification. TPO and PVC are now two independent specifications.
- Polyester Reinforced membrane is now available in widths of 40.5”, 5’, 81”, and 10’ wide (white, gray, light gray, slate gray, and tan).
- Fiberglass Reinforced membrane is now available in widths of 10’ (white, gray, light gray, and tan).
- Revised Table I – Mechanically Fastened or Adhered Membrane Systems to remove VersiFlex 80-mil from 30-year warranty.
- Revised Table III – Mechanically Fastened Membrane Fastening Criteria from “Wood Decks” to “Wood (OSB/Plywood) Decks”.
- Table I and II: Revised “Building Distance from Coastline”.
- Addition of Polyisocyanurate VersiCore NH and SecurShield NH Polyisocyanurate.
- Addition of VersiCore HD for mechanically fastened applications.
- Addition of DuraStorm VSH Cover Board.
- Addition of 60-mil VersiFlex PVC and VersiFlex KEE HP Reinforced Cover Strip.
- Addition of tan, gray, and light gray PVC Universal Corners and Pipe Flashings.
- Addition of 80- and 110-mil thick VersiFlex PVC Heat Weldable Walkway Rolls.
- Section 3.04, C.2: Mechanically Fastened Roof Systems fastening rate revised to 1.25 fasteners per 8 square feet (5 fasteners in a 4’ x 8’ board) for min. 1½” insulation and coverboards. Insulation less than 1½” requires the use of 8 fasteners and plates in a 4’ x 8’ board (1 per 4 square feet).



DESIGN ADVISORY

- Quality Assurance Addition of note to require polyisocyanurate insulation to meet PIMA Quality Mark Certified LTTR value through third-party verification meeting ASTM C 1289, Type II, Class 1, Grade 2.

Details:

- July 2023 TPO and PVC Details separated from Thermoplastic Details. TPO and PVC are now two independent specifications and with specific details for each.
- TPC-18.4: metal separator added between shingles and membrane; U-18D: Revised to remove primer over PVC flashing, below Universal Single Ply Sealant.

VersiFleece:

Specifications:

- Table I and II: Revised "Building Distance from Coastline".
- VersiFlex Reinforced Cover Strip available in 60- and 80-mil thickness.
- VersiFlex Reinforced Cover Strip available in 60-mil in rolls 8" wide by 100' long in white only.
- VersiFlex Reinforced KEE HP Cover Strip available in 60- and 80-mil thicknesses.
- PVC Universal Corners and Pipe Flashings available in white, tan, gray, and light gray.
- VersiFlex PVC Heat Weldable Walkway Rolls available in 80- and 110-mils thick.
- 1.5"-thick Polyisocyanurate for 80 mph changed to 25 psi 1.5" Polyisocyanurate.
- 702LV primer added.
- Attachment II Table II: Note added KEE HP that states F PVC polyester reinforced can be used.
- Attachment III, Table I: Title changed to Plywood/OSB Decks.
- Coverage Rates: 5-gallon jugs full spray coverage rate revised to 600-1,000 per PDS.
- Attachment II: Warranty chart relabeled to reflect a 20-year warranty. Consistent with bareback MF language.
- Attachment II: Note (7) added to modified bitumen line for VersiFleece PVC.
- The maximum building height for TPO and PVC revised to 60'.
- The number of perimeter sheets revised to incorporate less than 3 miles fastening criteria and follow the Thermoplastic chart.
- Quality Assurance Addition of note to require polyisocyanurate insulation to meet PIMA Quality Mark Certified LTTR value through third-party verification meeting ASTM C 1289, Type II, Class 1, Grade 2.
- Attachment IV: Addition of SecurShield HD Composite RL to Insulation/Underlayments.
- Versico VersiFleece FR revised from 15 years to 20 years.

Details:

- Detail VF-27, Bullet #7 revised: Allow Flexible DASH™ Adhesive to rise and develop "string/body" (approx. 1½ – 2 min.). String time will vary based on environmental conditions like temperature and humidity. Do not allow the adhesive to over-cure prior to setting insulation boards."
- Detail VF-6.2A: removed note "completely remove the fleece in clamping ring area".

VersiFleece AFX:

Specifications:

- VersiFleece AFX: Bullet 3 revised as follows: "After membrane applying the Cold Applied Adhesive, immediately after adhesion, brush down the sheet with a stiff bristled broom using light



DESIGN ADVISORY

to medium pressure. CAUTION: Do not use weighted rollers or heavy pressure when brooming the membrane to avoid asphalt saturation of the fleece."

- VersiFleece AFX: Solvent-Free Bonding Adhesive removed.

Details:

- G-03-20 Fully Adhered Applications Over Lightweight Insulating Concrete: VersiFlex Low-VOC Bonding Adhesive shall be used when using PVC or KEE HP membrane.
- G-05-21 VersiFlex PVC Heat Weldable Walkway Rolls available in 80- and 110-mils thick.

Insulation:

Details:

- MF-27A.1 created for (5) fasteners per board.

VacuSeal:

Specifications:

- V2T name revised to "VacuSeal" throughout specification.
- Email contact revised to VacuSeal@Carlisleccm.com.
- Direct Overlay chart updated.

Details:

- All details: Revised branding to VacuSeal.
- Detail V-6.1 revised to include Direct Overlay.
- Stand-alone spec supplement created for VacuSeal.

Roof Garden Maintenance & Care Specification:

Specifications:

- Contact information for "Photographic Documentation" revised to vegetation@versico.com.
- Warranty language to read "If a vegetation warranty is purchased..."
- Ultra-Extensive revised to "Extensive".

Spec Supplements:

- G-08-23 – Insulation Attachment and Details: A-27.5 revised to include DuraFaceR Polyiso with note for 20-year, 90-mph.; A-27.6 revised to note OSB Sheathing only; MA-27 created for (5) fasteners per board. MA-27.1 and MA-27.2 eliminated.
- G-17-23 – Paver Spec Supplement: revised Low-Voltage Electronic Field Vector Mapping description.