

CCW-705 TWF

Self-Adhered Through Wall Flashing

Physical property	Typical value	Test method
Color	Blue with Black Print	-
Thickness, nominal	40 mils (1.0 mm)	-
Application temperature, min	40 °F (4 °C)	-
Service temperature	-25 °F to +150 °F (-31 °C to +65 °C)	-
Elongation	200% (rubberized asphalt)	ASTM D412 Die C
Tensile strength (membrane)	1,200 psi (8.27 MPa)	ASTM D412 Die C
Tensile strength (film)	5,875 psi (40.51 MPa)	ASTM D882
Puncture resistance (membrane)	80 lb _r (356 N)	ASTM E154
Low temperature flex at -25°F (-31°C)	Pass, over 1/4" (6mm) mandrel	ASTM D146
Peel Adhesion on Primed Concrete	5.0 lb/in (0.875 N/mm)	ASTM D903

Codes and Approvals

2021, 2018 International Building Code: Chapter 14, Sec 1404.4 Flashing. Product serves as a flashing in anchored masonry veneer systems

2021 International Residential Code: Chapter 7, Sec R703.8 Anchored Stone and Masonry Veneer. Product serves as a flashing as shown in typical details.

Brick Industry Association: "Tech Note 7a Water Penetration Resistance – Materials"; Product is a self-adhered rubberized asphalt flashing

USGBC LEED v4: MR Credit Building Product Disclosure & Optimization; Environmental Product Declaration EPD10573 product-specific with cradle to gate scope

International Living Future Institute: Product does not contain any red list chemicals.

Description

CCW-705 TWF is a 40-mil (1mm) thickness self-adhered membrane consisting of an SBS rubberized asphalt compound which is integrally laminated to a robust, 8 mil (0.2mm) blue cross-laminated polyethylene film. The product is offered in these convenient sizes: 100-ft (30.5 m) length rolls in 12" (30.5cm), 18" (45.7cm), 24" (61.0cm) widths and 75-ft (22.9m) length rolls of 36" (91.4cm) width. The adhesive side of the product is backed with silicone release paper which is removed and discarded during installation.

Features and benefits

- Simple peel and stick application
- Smooth surface facer makes tight laps
- Fully adhered to substrate, conforms to surface contours
- Impermeable to air, moisture, vapor, and water
- Resists abrasion and puncture during overburden installation
- Suitable for embedding in mortar – does not corrode or degrade
- Compatible with many **Henry**® waterproofing, and air barrier membranes

Usage

CCW-705 TWF is used in above-grade walls as a through-wall flashing. Through-wall flashing diverts moisture to the exterior at interruptions and terminations in the wall's drainage path, including head of wall, relieving angle, window head, window sill, and base of wall. Product is installed with a peel and stick application over fully supported, prepared surfaces.

Application

Substrates: All surfaces must be sound, clean and free of frost, oil, grease, dirt, excess mortar, loose scale or other contaminants. Any gaps on the vertical plane shall not exceed 1/2" (12mm) and there shall be no gaps on the horizontal plane. Horizontal plane must be flat or pitched to drain. Span across cavity must be bridged with corrosion-resistant sheet metal or fully grouted. Acceptable substrates include concrete, masonry, mortar, structural steel, exterior-grade gypsum sheathing, plywood, OSB, dimensional lumber, primed steel, aluminum mill finish, anodized aluminum, and galvanized metal. Concrete shall be cured 7 days minimum, and surfaces shall be free of large voids and spalled areas. Masonry mortar joints shall be struck flush or tooled and free of voids. Masonry shall have mortar droppings removed from ties and surfaces. Wood shall have <20% moisture content. To facilitate full adhesion of **CCW-705 TWF** into inside corners, Henry recommends installing a 1/2" (12 mm) tooled cove bead of **Henry®** STPE sealant into the angle change.

Henry® Adhesive/Primers: All surfaces accepting **CCW-705 TWF** shall be prepared with a **Henry®** adhesive/primer. Acceptable products are **Blueskin®** Adhesive, LVC Adhesive, LVC Spray Primer, **Aquatac®** Primer as well as CCW-702, CCW-702LV, CCW-702WB and CAV-GRIP™. Follow the instructions on the adhesive/primer Product Data Sheet.

Henry® Sealants: The following **Henry®** sealants are permitted for use with **CCW-705 TWF**

Products	Type	Permitted Use
Barribond HP, Air-Bloc LF, 925BES	STPE sealant. High-solids, moisture-cure	Over or under CCW-705 TWF
LM800XL, LM800XL WG, Henry #212	Synthetic rubber mastic. Solvent-based	Over or under CCW-705 TWF
Polybitume 570, CCW-704	Modified asphalt mastic. Solvent-based	Over CCW-705 TWF only

Allow the synthetic rubber mastics to cure overnight or longer before covering with **CCW-705 TWF**. Do not apply **CCW-705 TWF** over the modified asphalt mastics. Follow the instructions on the respective Product Data Sheet.

Apply: Cut the desired length of **CCW-705 TWF** and remove siliconized release paper. Position into place and apply positive pressure using a roller. Use care to avoid blisters or wrinkles. Overlap all joints by 2" (5cm). At all laps, seams and penetrations apply a continuous bead of **Henry®** sealant. Form end dams as required by turning up membrane or by splicing additional pieces of membrane. Terminate **CCW-705 TWF** on the back up wall and at exterior finish as indicated in the next sections.

Termination on Back up Wall: Install **CCW-705 TWF** onto the back-up wall and terminate as indicated below.

Wall Membrane*	Sequence	Requirements
Air-Bloc 16MR, Air-Bloc 17MR, Barritech VP, Barritech NP/NP LT, Barriseal, Blueskin SA/ LT, CCW-705/ XLT, Metal Clad 705FR/LT	Wall membrane first, CCW-705 TWF second	Apply CCW-705 TWF minimum 6" (15cm) up wall. Seal termination with Henry sealant.
Air Bloc All Weather STPE	Wall membrane first, CCW-705 TWF second	Apply Aquatac Primer to Air-Bloc All Weather STPE surface. Cover primed area with Blueskin Butyl Flash. Apply CCW-705 TWF minimum 6" (15cm) up wall, but over Blueskin Butyl Flash. Seal termination with Henry sealant.
Blueskin VP160	Wall membrane first, CCW-705 TWF second	Apply CCW-705 TWF minimum 6" (15cm) up wall. Secure termination with SURE-SEAL Termination Bar and fastening. Seal top of termination bar with Henry #212 Sealant or Barribond HP.
Henry Adhered Sheet: Blueskin SA/ LT, CCW-705/ XLT, Metal Clad 705FR/LT, Blueskin VP160	CCW-705 TWF first, wall membrane second	Apply CCW-705 TWF minimum 6" (15cm) up wall. If CCW-705 TWF termination will not be covered the same day, seal with Henry STPE sealant or synthetic rubber mastic. Lap Henry adhered sheet wall membrane minimum 2" (5cm) over CCW-705 TWF.
Henry Fluid-Applied: Air-Bloc 16MR, Air-Bloc 17MR, Air Bloc All Weather STPE, Barritech VP, Barritech NP/NP LT, Barriseal	CCW-705 TWF first, wall membrane second	Apply CCW-705 TWF minimum 6" (15cm) up wall. Seal termination of CCW-705 TWF with Henry STPE sealant or synthetic rubber mastic and allow to cure overnight or longer. Apply liquid wall membrane completely covering termination sealant and lapping 1 inch (2.5cm) onto CCW-705 TWF.
None, and wall is concrete or masonry	Wall constructed first, CCW-705 TWF installed second	Apply CCW-705 TWF minimum 8" (20cm) up wall. Secure termination with SURE-SEAL Termination Bar and fastening. Seal top of termination bar with Henry sealant. Alternatively, saw cut a 1/2" (12mm) deep slot into a concrete wall, tuck CCW-705 TWF edge into slot, and seal with Henry sealant.
Mechanically attached building wrap	Building wrap before or after CCW-705 TWF	If building wrap is in place, pull up and move out of the way. Prepare wall substrate with Henry adhesive/primer and apply CCW-705 TWF minimum 8" (20cm) up wall. Secure termination with SURE-SEAL Termination Bar and fastening. Seal top of termination bar with Henry sealant. Lap building wrap over CCW-705 TWF and secure in place.

CCW-705 TWF

Air-Bloc 16MR, Air-Bloc 17MR, Barritech VP, Barritech NP/NP LT, Barriseal or no wall membrane and wall is masonry	CCW-705 TWF cast into masonry wall during construction	Cast CCW-705 TWF minimum of 3 inches into mortar joint. Slit release paper, remove paper in tucked area, leave on exposed area. Max exposure of free area is 30 days. Once substrates are ready, remove remaining release paper and bond CCW-705 TWF in place. Horizontal plane of CCW-705 TWF shall be at least 8" (20cm) below cast in place termination.
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*If the wall membrane is fluid-applied, it shall be cured 3 days minimum prior to installation of CCW-705TWF. All Henry wall membrane surfaces and building substrates accepting CCW-705TWF shall be prepared with Henry adhesive/primer.

Termination at Exterior Finish: Install a corrosion-resistant drip edge bedded in **Henry®** STPE sealant. Lap **CCW-705 TWF** onto the drip edge. Keep edge of **CCW-705 TWF** back ½" (12mm) from outside face of wall or veneer. Do not apply **Henry®** sealant, or any other sealant, above the drip edge or blocking the weeps.

Limitations: Do not cover **CCW-705 TWF** until the work has been inspected and approved. Product is not designed for long-term exposure and should be covered as soon as schedule allows. Maximum exposure is 60 days, except cast-in-place application which is 30 days. Do not install over incompatible materials including flexible PVC and un-verified materials. Do not install **CCW-705 TWF** directly over **Air-Bloc® All Weather STPE**. Layer with **Aquatac® Primer** and **Blueskin® Butyl Flash** as indicated in instructions and details.

Product size/packaging

12" X 100' (30.5cm X 30.5m) roll, 2 per carton
18" x 100' (45.7cm X 30.5m) roll, 1 per carton
24" X 100' (61.0cm X 30.5m) roll, 1 per carton
36" x 75' (91.4cm x 22.9m) roll, 1 per carton

Storage

Store rolls on end, on original pallets or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 110°F (43°C). Do not double-stack pallets.

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