

Physical property	Typical value	Test method
Color	Blue with black imprint	-
Thickness, nominal	40 mils (1.0 mm)	-
Application Temperature	40°F (4°C) to 110°F (43°C)	-
Service Temperature	-25°F to 240°F (-32°C to 115°C)	-
Water Vapor Permeance	0.08 Perm (4.58 ng/(Pa*s*m <sup>2</sup> ))	ASTM E96, desiccant method
Water Vapor Permeance	0.10 Perm (5.72 ng/(Pa*s*m <sup>2</sup> ))	ASTM E96, water method
Elongation, minimum	300%	ASTM D412, Die C
Tensile Strength	26 lb <sub>f</sub> /in (4.721 N/mm)	ASTM D882
Puncture Resistance, minimum	48 lbf (214 N)	ASTM E154
Tear Resistance	19.79 lbf (88.07 N) MD 12.03 lbf (53.55 N) CD	ASTM D4073
Watertightness	No leaking through membrane or 2" (50mm) bonded lap. 21.65in (55cm) water for 5h	AATCC 127
Water Leakage through Assembly	No visible leaks to interior, 15 min at -6.24 PSF (Pa)	ASTM E331
Nail Sealability	Pass	ASTM D1970, Sec 7.9
Low Temperature Flexibility @ -20°F (-30°C)	Pass	ASTM D1970, Sec 7.6
Pull Adhesion*	16 psi (110 kPa), minimum or report value at substrate failure	ASTM D4541/ ABAA T0002
Peel Adhesion*	5 lb <sub>f</sub> /in, (0.908 N/mm) minimum on exterior gypsum sheathing, concrete block	ASTM D903
Lap Adhesion	5.0 lb <sub>f</sub> /in (0.908 N/mm)	ASTM D1876
Water Absorption	0.1%	ASTM D570
Air Permeance - Material	0.000 CFM/ft <sup>2</sup> @ 1.57 PSF (0.000 L/(s*m <sup>2</sup> ) @ 75Pa)	ASTM E2178
Assembly Air Leakage	0.0005 cfm/ft <sup>2</sup> @ 1.57PSF (0.0024 L/(s*m <sup>2</sup> ) @ 75Pa)	ASTM E2357
Crack Bridging	No cracking after 10 cycles at -15°F (-26°C)	ASTM C1305
Wall Assembly Vertical and Lateral Fire Propagation	Pass in various assemblies – Consult Henry EEV 11613	NFPA 285-19

\*Substrate prepared with Henry adhesive/primer

## Codes and Approvals

*International Energy Conservation Code "IECC" 2021* Section C402 Air barrier material <0.004 CFM/ft<sup>2</sup> @ 1.57PSF (0.02 L/[s\*m<sup>2</sup>]@ 75Pa) per ASTM E2178 and air barrier assembly <0.04 CFM/ft<sup>2</sup> @ 1.57PSF (0.2 L/[s\*m<sup>2</sup>]@ 75Pa) per ASTM E2357

*International Building Code "IBC" 2021* Section 1403.2 Water resistive barrier: Self-adhered sheet, ICC-ES AC-38/ AAMA 711, non-permeable; must not be used where Grade D "permeable" product is required.

*Air Barrier Association of America:* Evaluated air barrier material and air barrier assembly

*USGBC LEED v4:* MR Credit Building Product Disclosure & Optimization; EPD 10573 product-specific environmental product declaration "EPD" with Cradle to Gate Scope

## Description

**CCW-705 HT** is a self-adhered water resistive air barrier consisting of a high-temperature grade SBS rubberized asphalt compound, which is integrally laminated to a blue cross-laminated HPDE film. It is specifically designed to be self-adhered to a prepared substrate providing an air, vapor and water resistive barrier in full wall applications or as penetration/flashing membrane with other air barrier systems.

### Features

- Simple peel and stick application
- Factory-controlled composition and thickness
- Strong adhesion to many substrates prepared with Henry® adhesive/primer
- High service temperature- suitable for use directly under metal
- Flexible at low temperatures
- Impermeable to air, moisture vapor and water
- Self-gasketing when penetrated and under compression with self-tapping screws
- Compatible in Henry® **Air-Bloc®** 17MR, 16MR, 21FR, 21 and **Barriotech** VP, NP, NP LT fluid applied air barrier assemblies

### Usage

**CCW-705 HT** is a self-adhered air, vapor and water resistive barrier for use in above-grade walls in areas needing a higher service temperature material. The product is installed to fully supported, opaque wall substrates and covered with a code-approved exterior cladding or thermal barrier.

### Application

**Inspection and Surface Prep:** All surfaces to receive **CCW-705 HT** must be clean and dry, free of oil, dust, mortar droppings and debris. Substrates shall be sound and supported with no gaps or holes exceeding ½" (12mm) across. Acceptable substrates include exterior-grade gypsum sheathing, plywood, OSB, dimensional lumber, precast or cast-in-place concrete, concrete block, clay brick, primed steel, aluminum mill finish, anodized aluminum and galvanized metal. Masonry joints shall be free of voids and struck flush. Concrete surfaces shall be smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of 7 days and must be dry before **CCW-705 HT** is applied. Where curing compounds are used, they must be clear resin based, without oil, wax or pigments. Wood materials shall have moisture content below 20%. Verify that wall assemblies are dried in so that water intrusion will not occur from above, behind or around the membrane installation.

All surfaces to receive **CCW-705 HT** require an application of Henry® adhesive/primer. Acceptable products are **CCW-702, Blueskin® Adhesive, CCW-702LV, Blueskin® LVC Adhesive, Hi-Tac Primer, CAV-GRIP, Blueskin® LVC Spray Primer, Blueskin® Spray Prep, CCW-702WB and Aquatac™ Primer**. Apply adhesive/primer according to instructions on that product's Technical Data Sheet. Apply adhesive/primer at required coverage and allow to dry before **CCW-705** is applied. Coated surfaces not covered by membrane during the working day must be recoated. Adhesive/primer availability may vary by region.

**Apply:** Cut **CCW-705 HT** from the roll to manageable size, position for alignment, remove release film, and press firmly in place. Roll membrane, including seams, with a countertop roller to ensure full contact once in place. Membrane must be rolled after application to ensure adhesion to substrate and laps. Membrane shall be tight in corners, no bridging, and adhered to the substrate without wrinkles or bubbles. **CCW-705 HT** must be lapped a minimum of 2" (50 mm) on both sides and end laps. When installing around brick ties, position, press in place and slice to fit around ties or projections. Seal reverse shingle laps, holes, terminations and the leading edge at the end of the workday with a Henry® termination sealant. Acceptable Henry® termination sealants are **Barribond™ HP, Air-Bloc LF, or 925 BES Sealant**. Termination sealant shall be cured before covering with **CCW-705 HT**.

**Finishes:** **CCW-705 HT** must be covered with on the exterior with cladding or on the interior with a thermal barrier. Exterior insulation "ci", when used, is often mechanically fastened. In this case, insulation can be tacked in place over **CCW-705 HT** with **CAV-GRIP™** to assist with installation. Rigid foam board insulation can also be bonded to **CCW-705 HT** using Henry Insulation Adhesives **Air-Bloc® 21, Air-Bloc® 21FR, Bakor 230-21 or LM 800XL**. Consult the insulation adhesive Technical Data Sheet for instructions. Cladding must be mechanically fastened through **CCW-705 HT** into a suitable base. Self-tapping fasteners through **CCW-705 HT** typically do not need to be detailed with additional sealant. Henry recommends constructing a Project mockup and performing air and water leakage testing to determine suitable performance of the specific assembly.

Detail work must be carefully carried out to ensure continuous air and water tightness of the membrane. Consult the **CCW-705 HT** Architectural Details for information about the complete system installation.

**Limitations:** **CCW-705 HT** is not designed for permanent exposure for exposure and shall covered within 60 days of application. It is not to be used in direct contact with flexible PVC/vinyl membranes, flashings or gaskets. Do not install **CCW-705 HT** over **Air-Bloc® All Weather STPE**. Do not allow contact of **CCW-705 HT** with any sealants by others without written approval from Henry. **CCW-705 HT** shall be kept back at least ½ inch (12mm) from exterior finish and the adhesive side/edge shall not contact exposed sealant.

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## **CCW-705 HT High Service Temperature Self-Adhered Air, Vapor and Water Resistive Air Barrier**

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### **Packaging**

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36" x 75' (914mm x 22.86m), 1 roll per carton

### **Storage**

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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.

For more information, visit [www.henry.com](http://www.henry.com) or for technical assistance call us at 800-486-1278. For more information on Henry's® product warranty and liability disclaimer please visit [www.henry.com/warranty](http://www.henry.com/warranty). Refer to the Safety Data Sheet prior to using this product. The Safety Data Sheet is available at [www.henry.com](http://www.henry.com) or by emailing Henry® Product Support at [productsupport@henry.com](mailto:productsupport@henry.com) or by calling 800-486-1278.

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