



# AIR & VAPOR BARRIER

## CCW-705 Strips

### Description

CCW-705 is a 40-mil-thick self-adhering membrane consisting of a tough, cross-laminated, HDPE film fully coated with an aggressive, rubberized-asphalt adhesive. The product is packaged in rolls with a disposable silicone paper release liner that is removed during use. CCW-705 Strips are provided in convenient widths of 4", 6", 9" and 12". CCW-705 Strips are ideal for wall flashing applications such as window and door openings and joints, as well as detailing in CCW wall membrane air barrier systems.

CCW-705 Strips are cold-applied and when pressed against the substrate will adhere firmly. Its self-adhering nature allows easy installation on concrete, block, aluminum, steel, exterior gypsum sheathing or wood. The flashing is installed in a shingle method, so splices will shed water.

### Features and Benefits

- Resists mechanical damage
- Provides a seal around fasteners and penetrations to prevent wall assembly leaks
- Self adhering
- Easy to install, inspect and repair

### Installation

Standard installation of the product can be performed when ambient and substrate temperatures are 40°F and above. Installation below 40°F to 25°F can be performed if the product is stored in a heated area until use and if the laps are treated with CCW contact adhesive. Installations below 40°F are best addressed with CCW-705 XLT Strips - low temperature adhesive formula. Consult the CCW-705 XLT Strips product data sheet for further instruction.

CCW-705 Strips can be applied over most common building materials including house wrap, felt, OSB, gypsum sheathing, concrete, CMU, plywood, lumber, rigid extruded vinyl and metals. Prepare all surfaces with CCW contact adhesive. Apply to clean, dry, flush and supported surfaces. Cut CCW-705 to length from the roll, remove the release liner and bond to the surface, taking care to avoid forming wrinkles or air bubbles. Shingle-lap adjoining pieces of CCW-705 a minimum of 2" to ensure a waterproof splice.

Apply contact adhesive in a thin, continuous coat without puddling. Contact adhesive is ready for bonding over with CCW-705 when surface is still tacky but will not transfer when touched. Only prep surfaces with CCW contact adhesive that can be bonded over with CCW-705 on one day. If contact adhesive loses tack or becomes soiled, re-apply. Roll CCW-705 with hand roller to strengthen adhesion. Consult the CCW Contact Adhesive Technical Data Sheet for more information.

When installing CCW sheet membranes and sheet flashings over gypsum sheathing with glass-mat facers, coverage rates for contact adhesives and primers will depend on the porosity and texture of the sheathing and will vary substantially by gypsum-sheathing brand and manufacturer. To achieve consistent contact adhesive and/or primer coverage with adequate tack, it may be necessary to decrease the coverage rate (i.e. Increase the amount applied) of the contact adhesive and/or primer and/or the application of multiple coats. CCW contact adhesives and primers shall be allowed to dry completely (lower temperatures will extend drying time) before additional coats are applied or membranes installed. Caution should be taken as contact adhesives and/or primers applied to gypsum-sheathings with glass-mat facers will take longer to dry than other substrates. Multiple adhesion tests should be performed randomly to verify proper application of primer and ensure a successful application.

When used in a mechanically-attached building wrap system, install CCW-705 Strips directly to substrate, not over building wrap. Seal corner pinholes, terminations and reverse shingle laps of CCW-705 Strips with LM 800 XL or Barribond.

ASTM E2112 requires application of both flexible flashing and exterior perimeter sealant in window installations. Consult CCW-705 details for sealant compatibility information. Do not apply CCW-705 over incompatible sealants.

Consult CCW for compatibility information. CCW-705 is not compatible with coal tar or polysulfide sealants and plasticized PVC membrane. In wall flashing applications, the edge of CCW-705 must be kept ½" or more from finished exterior and it must not contact any visible sealant.

### Limitations

Due to surface heat gain, do not use over foam insulation board. For this application, use CCW Aluma-Grip 701 or Foil-Grip™ 1402.

# AIR & VAPOR BARRIER

## CCW-705 Strips

Do not use in areas where flashing will be subject to continuous exposure to sunlight or to temperatures in excess of 150°F. Not intended for prolonged exposure. Cover within 60 days of installation.

Concrete, masonry and some exterior gypsum substrates require priming for best results. Do not apply primer or membrane to damp, frosty or contaminated surfaces.

Do not use over sealants containing coal tar or polysulfides. If these materials are present they must be removed and the surfaces thoroughly cleaned.

### Warnings and Hazards

CCW-702 LV, LM-800XL, CAV-GRIP and Travel-Tack contain flammable and combustible solvents. Avoid exposure to open flame. Avoid breathing vapors. Use only in areas with adequate ventilation. Refer to MSDS for important warnings and product information.

### Storage

Store cartons in a protected area between 40°F and 80°F (4.4°C and 26.7°C). Store away from open flames, sparks or welding. For outside storage, protect cartons from rain, direct sunlight or other harmful environmental conditions.

### Typical Properties

| Product   | Packaging   |
|---|---|
| CCW-705 4" x 100' (33.3 sq ft) Rolls                    | 6 rolls/carton (32 cartons/pallet)  |
| CCW-705 6" x 100' (50 sq ft) Rolls                      | 4 rolls/carton (32 cartons/pallet)  |
| CCW-705 9" x 100' (75 sq ft) Rolls                      | 2 rolls/carton (48 cartons/pallet)  |
| CCW-705 12" x 100' (100 sq ft) Rolls                    | 2 rolls/carton (32 cartons/pallet)  |
| CCW-702 Solvent-Based Contact Adhesive                  | 5-gallon pails (45 pails per pallet)  |
| CCW-702 LV VOC-Compliant Solvent-Based Contact Adhesive | 5-gallon pails (45 pails per pallet)  |
| CCW-702 WB Water-Based Contact Adhesive                 | 5-gallon containers (36 containers per pallet)                              |
| CCW CAV-GRIP Aerosol Spray Contact Adhesive             | 40-lb cylinder  |
| CCW Travel-Tack Aerosol Spray Contact Adhesive          | 15-oz can (12 per case)   |
| LM 800 XL synthetic rubber mastic                       | 30-oz qt Cartridge (12 ctg. per case), 5 gallon pails (45 pails per pallet) |
| Barribond 1-part, moisture-cure polyether sealant       | 20 fl-oz sausages, 16 per case  |

### Typical Properties

| Property            | Method    | Typical Value                                       |
|---------------------|-----------|---|
| Thickness           | —         | 40 mils   |
| Tensile Strength    | ASTM D412 | 500 psi   |
| Elongation*         | ASTM D412 | 300%  |
| Permeance           | ASTM E96  | Desiccant Method 0.08 Perm<br>Water Method 0.1 Perm |
| Pliability          | ASTM D146 | Pass @ -25°F 0.063" mandrel                         |
| Peel Strength       | ASTM D903 | 7.5 lb/in width                                     |
| Puncture Resistance | ASTM E154 | 50 lbs (min)  |
| Lap Adhesion        | D1876 Mod | 7.0 lb/in width                                     |
| Water Absorption    | ASTM D570 | 0.12% by wt   |
| Air Infiltration    | ASTM E283 | Pass  |
| Water Penetration   | ASTM E331 | Pass  |

\*% of elongation to ultimate failure of rubberized asphalt membrane

### Limited Warranty

Carlisle Coatings & Waterproofing Incorporated (Carlisle) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Carlisle materials prove to contain manufacturing defects that substantially affect their performance, Carlisle will, at its option, replace the materials or refund its purchase price. This limited warranty is the only warranty extended by Carlisle with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Carlisle specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever. The dollar value of Carlisle's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Carlisle material in question.

### Wrapping Window Openings for Air/Vapor System Detail

