



# CCW-705

## Self-Adhering Air & Vapor Barrier

### DESCRIPTION

The CCW-705 Air & Vapor Barrier is a 40-mil-thick composite membrane consisting of a rubberized asphalt adhesive laminated to a tough, cross-laminated HDPE film. A siliconized release liner prevents the material from sticking together in the roll and is easily removed for installation. CCW-705 is available in convenient widths of 18, 24, and 36 inches. Factory-controlled quality ensures uniform thickness on the job, providing an excellent air, vapor and water barrier.

CCW-705 provides a complete barrier to moisture and air when adhered to an above-grade substrate. It is also useful for other above-grade wall flashing applications. CCW-705 Air & Vapor Barrier is cold applied and when pressed against the substrate will adhere firmly.

### ADVANTAGES

- Resists mechanical damage
- Provides a seal around fasteners and other penetrations to prevent wall assembly leaks
- Self-adhering
- Part of a complete Air & Vapor Barrier system
- Easy to install, inspect and repair

### APPLICABLE STANDARDS

The CCW-705 Air & Vapor Barrier conforms to the following specifications:

- GSA; PBS PCD 07121
- USN; NAVFAC TS-07111
- Federal Construction Guide Spec; FCGS-07111

### INSTALLATION

**Surface Preparation:** Concrete shall be in place for 7 days minimum. Substrate must be completely dry. Fill cracks and gaps > 1/4" across with approved sealant or fill material. Surface shall have a smooth finish free of voids, sharp protrusions, laitance and form release agents. Block or brick walls shall have mortar joints struck flush.

**Adhesion Promotion:** Surfaces to receive CCW-705 Vapor/Air Barrier System must be clean and dry. Prepare all surfaces with CCW-702, CCW-702 LV, CCW-702 WB or CAV-GRIP™ contact adhesive. Apply CCW Contact Adhesive in a thin, even coat. Allow to dry until adhesive will not transfer when touched.

### TECHNICAL DATA

PROPERTY	METHOD	RESULTS
Thickness	—	40 mils
Tensile Strength	ASTM D412	500 psi
Elongation*	ASTM D412	300%
Permeance	ASTM E96	0.05 perms
Pliability	ASTM D146	Passes @ -25°F 0.063" mandrel
Peel Strength	ASTM D903	7.5 lb/in width
Puncture Resistance	ASTM E154	50 lbs (min)
Lap Adhesion	ASTM D1876	7.0 lb/in width
H <sub>2</sub> O Absorption	ASTM D570	0.12% by wt
Air Infiltration	ASTM E283	Pass
Water Penetration	ASTM E331	Pass
Wind Loading	ASTM E330	Pass
Air Permeance	ASTM E2178	0.000 L/s*m <sup>2</sup> @ 75 Pa
Installation Temperature	—	Minimum 40°F, ambient and substrate
Maximum Exposure to UV	—	60 days
Service Temperature	—	-25°F to 149°F
*% of elongation to ultimate failure of rubberized asphalt membrane		

Adhesive on surface should still feel tacky at the time of membrane application. Re-apply adhesive to surfaces that lose tack or become dusty. Do not treat more surface area than can be covered with membrane the same day.

**Application:** Apply CCW-705 Air & Vapor Barrier in manageable lengths. Overlap adjoining pieces of membrane a minimum of 2". Begin installation at base of wall and work upwards, so that laps shed water. CCW-705 can be applied in long runs or in staggered horizontal rows. Use a suitable roller to press membrane firmly against the wall.

Seal T-joints, cut edges of membrane and non-shingled laps with a continuous bead of LM 800 XL Mastic. Seal the vertical termination of membrane at the end of the working day with a continuous bead of LM 800 XL Mastic.

## LIMITATIONS

- Do not allow adhesive side or edge of membrane to contact visible sealant.
- Keep membrane back a minimum 1/2" from finished exterior.
- Do not apply CCW Contact Adhesive or CCW-705 to damp, frosty, or contaminated surfaces.
- Do not apply over incompatible materials, including uncured sealants containing solvents, silicone sealants, coal tar, polysulfide and plasticized PVC membranes.

## PACKAGING

CCW-705-36 - 36" wide x 75' roll: (225 ft<sup>2</sup>/rl)  
1 roll per box, 35 boxes per pallet  
Weight = 60 lb/box (approx); 2200 lb/pallet

CCW-705-24 - 24" wide x 100' roll  
(200 ft<sup>2</sup>/rl) 1 roll per box, 32 boxes per pallet  
Weight = 54 lb/box (approx); 1800 lb/pallet

CCW-705-18 - 18" wide x 100' roll  
(150 ft<sup>2</sup>/rl) 1 roll per box, 48 boxes per pallet  
Weight = 40 lb/box (approx); 2000 lb/pallet

CCW-702 LV VOC-Compliant, Solvent-Based Contact Adhesive: 5-gallon pails (45 pails per pallet)

CCW-702 Solvent-Based Contact Adhesive:  
5 gallon pails (45 pails per pallet)

CCW-702 WB Water-Based Contact Adhesive:  
5 gallon containers (60 containers per pallet)

CAV-GRIP Aerosol Spray Contact Adhesive  
40-lb Cylinders

CAV-GRIP Accessories  
Reusable hose of 6', 9', 12' or 18' and spray gun

LM 800 XL Mastic:  
29-oz. qt Cartridge (12 ctg. per case),  
5-gallon pails (45 pails per pallet)

## WARNINGS AND HAZARDS

CCW-702, CCW-702 LV and LM 800 XL 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

CCW-705 rolls should be stored on end, under cover, and in areas where the temperature is between 40° and 100°F (4.4° and 38°C). Do not double stack pallets.

## 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.