



# AIR & VAPOR BARRIER

## CCW-705 LT

### Description

The CCW-705 LT Air & Vapor Barrier is a 40-mil-thick composite membrane consisting of a special extra tacky, 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 LT is specially formulated to enable easier installation in cold weather conditions. CCW-705 LT 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 LT 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 LT Air & Vapor Barrier is cold-applied and will adhere firmly when pressed against the substrate.

### Features and Benefits

- 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

### Installation

**Surface Preparation:** Concrete shall be in place for 7 days minimum. Substrate must be completely dry. Fill cracks and gaps greater than ¼" 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 LT 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.

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.

When installing CCW sheet membranes and sheet flashings over gyp-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 gyp-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.

**Application:** Apply CCW-705 LT 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 LT 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-800XL Mastic. Seal the vertical termination of membrane at the end of the working day with a continuous bead of LM-800XL Mastic.

### Limitations

If NFPA 285 is required, consult CCW's NFPA 285 extension report. CCW-705 LT passes NFPA 285 in some wall assemblies.

Due to high-tack adhesive, product becomes difficult to work with at ambient temperature above 80°F.

Do not allow adhesive side or edge of membrane to contact visible sealant.

Keep membrane back ½" minimum from finished exterior.

Do not apply CCW Contact Adhesive or CCW-705 LT to damp, frosty, or contaminated surfaces.

Do not apply over incompatible materials, including un-cured sealants containing solvents, silicone sealant, coal tar, polysulfide and plasticized PVC membranes.

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## CCW-705 LT

### Warnings and Hazards

CCW-702, CCW-702 LV and LM-800XL 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 LT rolls should be stored on end, under cover, and in areas where the temperature is between 40°F and 80°F (4.4°C and 27°C). Do not double-stack pallets.

### Packaging

Product	Size/Weight
CCW-705 LT – 36"	36" 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 LT – 24"	24" 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 LT – 18"	18" 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 Aerosol Cylinder
CAV-GRIP Accessories	Reusable Hose: 6', 9', 12' or 18' and spray gun
LM-800XL Mastic	29-oz. qt Cartridge (12 ctg. per case), 5-gallon pails (45 pails per pallet)

### Standards

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

- CGSB 37.58-M86 and CGSB 37-GP-56M
- USN; NAVFAC TS-07111
- Federal Construction Guide Spec; FCGS-07111

### Typical Properties

Property	Method	Results
Thickness	—	40 mils
Tensile Strength	ASTM D882	26 lbf/in
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 25°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

### 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.