



CCW-705

SELF-ADHERING VAPOR/AIR BARRIER SYSTEM

DESCRIPTION

The CCW-705 Vapor/Air Barrier System is a 40 mil thick composite consisting of a 36 mil self-adhering rubberized asphalt membrane laminated to an 4 mil high density polyethylene 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. The factory controlled quality assures uniform thickness on the job, providing an excellent air and moisture vapor barrier.

TYPICAL USE

The system is designed to provide a complete barrier to moisture or air when adhered to an above grade substrate. It is also useful for other above grade wall flashing applications. The CCW-705 Vapor/Air Barrier System is cold applied and when pressed against the substrate will adhere firmly. The application may be done horizontally or vertically over the full surface area. Its self-adhering nature allows easy installation on concrete, masonry, gypsum, steel and wood substrates.

ADVANTAGES

- Resists mechanical damage.
- Provides a seal around fasteners and other penetrations to prevent wall assembly leaks.
- Self-adhering.
- Compatible with CCW Window and Door Flashing to provide a complete system of wall protection.
- Easy to install, inspect and repair.

APPLICABLE STANDARDS

The CCW-705 Vapor/Air Barrier System 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. 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.

Priming: Surfaces to receive CCW-705 Vapor/Air Barrier System must be clean and dry. For best results, concrete, masonry and some exterior gypsum substrates require priming with CCW-702, CCW-AWP or CCW-714 primers.

Apply CCW-702 Primer by spray, brush or with a long nap roller at 300 to 350 sq. ft. per gallon. At 75°F allow primer to dry 20 minutes minimum. Primer has a satisfactory cure when it will not transfer when touched. Prime only areas to be waterproofed the same day. Reprime if area becomes dirty.

If using CCW-AWP or CCW-714 water-based primer, apply sparingly with a brush or low pressure spray at 400 to 600 sq. ft. per gallon and allow to dry 30 minutes minimum at 75°F. If necessary, protect primed area from dust and debris; reprime if area becomes dirty.

Application: Apply CCW-705 Vapor/Air Barrier System in lengths of 8' or less. Overlap edge seams 2-1/2" and end laps 5". Begin installation at base of wall and work upwards, so that laps shed water. On walls above 8', apply in 8' sections, starting at the lowest point with the higher section overlapping the lower section 5". Use a suitable roller to press membrane firmly against the wall.

TECHNICAL DATA

PROPERTY	TEST METHOD	RESULTS
Thickness	—	40 mils
Tensile	ASTM D 412 (C)	500 psi
Elongation*	ASTM D 412 (C)	300%
Permeance	ASTM E 96 (B)	.05 perms
Pliability	ASTM D 146	Passes @ -25°F 0.063" mandrel
Peel Strength	ASTM D 903	7.5 lb./in. width
Puncture Resistance	ASTM E 154	50 lbs. (min.)
Lap Adhesion	D1876 Mod.	7.0 lb/in width
H ₂ O Absorption	ASTM D 570	0.12% by wt.
Air Infiltration	ASTM E 283	Pass
Water Penetration	ASTM E 331	Pass

* % of elongation to ultimate failure of rubberized asphalt membrane

LIMITATIONS

- Do not use in areas where membrane will be subject to continuous exposure to sunlight or to temperatures in excess of 180°F.
- Concrete, masonry and some exterior gypsum substrates require priming for best results. Porous substrates require reduced coverage rates for proper adhesion.
- Best results are obtained when membrane is installed at temperatures above 40°F. Between 25°F and 60°F use CCW-705 LT Low Temperature Membrane.
- 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.

PACKAGING

CCW-705-36 - 36" wide X 75' roll
(225 ft²/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 ft²/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 ft²/rl) 1 roll per box, 48 boxes per pallet
Weight = 40 lb/box (approx); 2000 lb/pallet

Note: For narrower tape widths, use CCW Window and Door Flashing.

CCW-702 Solvent-Based Primer
5 gallon pails (45 pails per pallet)

CCW-AWP Water-Based Primer
5 gallon containers (60 containers per pallet)
1 gallon containers (252 containers per pallet)

CCW-714 Water-Based Primer
5 gallon pails (45 pails per pallet)
1 gallon pails (100 pails per pallet)

CCW-704 Mastic
30 oz. Qt. Cartridge (12 ctg. per case), 5 gallon pails
(45 pails per pallet)

WARNINGS AND HAZARDS

CCW-702 and CCW-704 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 effect 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.