CARLISLE
COATINGS & WATERPROOFING

AIR & VAPOR BARRIER
CCW-705 XLT Strips

Description

CCW-705 XLT is a 40-mil-thick self-adhering membrane consisting of a tough, cross-laminated, HDPE film fully coated with an agressive, rubberized-asphalt adhesive. The product is packaged in rolls with a disposable silicone paper release liner that is removed during use. CCW-705 XLT is manufactured with a highly-tacky adhesive formulated for installation between 15F and 60F, ambient and substrate temperature. CCW-705 XLT Strips are provided in convenient widths of 4", 6", 9" and 12". CCW-705 XLT 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 XLT 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

- Extra high tack adhesive enables easy cold weather installation
- 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 CCW-705 XLT can be performed when ambient and substrate temperatures are 15°F and above. The aggressive tackiness of CCW-705 LT Strips makes installation above 60F difficult. Installations above 60F are best addressed with standard CCW-705 Strips. Consult the CCW-705 Strips product data sheet for further instruction.

CCW-705 XLT 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 XLT 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 XLT 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 XLT Strips 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 XLT Strips on one day. If contact adhesive loses tack or becomes soiled, re-apply. Roll CCW-705 XLT Strips with hand roller to strengthen adhesion. Consult the CCW Contact Ahesive Technical Data Sheet for more information.

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.

When used in a mechanically-attached building wrap system, install CCW-705 XLT Strips directly to substrate, not over building wrap. Seal corner pinholes, terminations and reverse shingle laps of CCW-705 XLT 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 XLT is not compatible with coal tar or polysulfide sealants and plasticized PVC membrane. In wall flashing applications, the edge of CCW-705 XLT 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.

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.

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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 15°F and 60°F (-9.4°C and 15.6°C). Store away from open flames, sparks or welding. For outside storage, protect cartons from rain, direct sunlight or other harmful environmental conditions.

CCW-705 XLT Strips have seasonal availability. Please contact CCW Customer Service for details.

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 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

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CCW-705 XLT AVB Strips Technical Data Sheet

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