



WATERPROOFING

CCW-705-TWF

Description

The CCW-705-TWF Thru-Wall Flashing is a 40-mil-thick composite membrane consisting of a 32-mil self-adhering rubberized asphalt membrane laminated to a smooth surface, 8-mil, cross-laminated, 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-TWF is available in convenient widths of 12", 18", 24" and 36". The factory-controlled quality ensures uniform thickness on the job, while the inherent waterproofing properties of the rubberized asphalt membrane provide an excellent water barrier. The heavy polyethylene film is resistant to cuts and tears.

CCW-705-TWF Thru-Wall Flashing is designed to provide moisture management in cavity wall construction. The CCW-705 TWF system is installed to divert water to the exterior at interruptions/terminations of the cavity including base of wall, shelf angle, window head/sill and head of parapet wall. Its self-adhesive nature allows easy installation on concrete, masonry, gypsum, steel and wood substrates.

Features and Benefits

- The inherent durability of the 8-mil cross-laminated polyethylene film resists mechanical damage and ensures the integrity of the rubberized asphalt waterproofing membrane during subsequent wall construction
- CCW-705-TWF provides a waterproof barrier at flashing areas to prevent wall assembly leaks
- The membrane is fully adhered to the substrate to prevent lateral moisture migration
- The rubberized asphalt seals around fastener penetrations through the membrane
- CCW-705-TWF Thru-Wall Flashing is compatible with CCW's membrane air barrier products—providing a complete system
- Detailing is 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 from 39°F to 25°F can be performed if the product is stored in a heated area until use and the laps are treated with CCW contact adhesive. Installations below

40°F are best addressed using CCW-705 TWF XLT - low temperature adhesive formula. Consult the CCW-705 TWF XLT product data sheet for further instruction.

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.

Priming: Surfaces to receive CCW-705-TWF must be clean and dry. All surfaces receiving CCW-705 TWF require prep with one of CCW's contact adhesives: CCW-702, CCW-702 LV, CCW-702 WB or CAV-GRIP. Use 702 WB or CAV-GRIP on polystyrene foam board, do not use CCW-702 or CCW-702 LV.

Application: Precut CCW-705-TWF Thru-Wall Flashing to fit each location. Remove siliconized release liner and position flashing carefully before pressing in place. Press firmly in place with a steel hand roller, taking care to avoid air pockets and wrinkles. Overlap adjoining pieces 6" minimum. If mechanically attached building wrap/paper is in place, detach wrap/paper, install CCW-705 TWF to firm substrate and lap wrap/paper over CCW 705 TWF. Do not install CCW-705 TWF over mechanically-attached wrap/paper. Install CCW-705 TWF over supported surfaces pitched to divert water away from wall. Do not install 705 TWF over back-pitched surfaces, and do not install product over unsupported span as product may sag over span and form a water trough. Install CCW-705 TWF extending minimum 8" up back-up wall. System shall be flashed to daylight by lapping CCW-705 TWF onto stainless, copper or other approved metal drip edge. Provide clear weeps and keep cavity above CCW-705 TWF clear of mortar droppings through either clean-out or installation of a cavity drainage composite. Keep edge of CCW-705 TWF at least ½" back from finished exterior.

Terminations: Press terminating edges firmly in place with a hand roller tool. Apply LM-800XL Mastic, Greenbond Mastic or Barribond detail sealant to all terminating edges, laps, cuts, and penetrations. On bare concrete or bare masonry back up walls, termination of CCW-705 TWF shall be mechanically secured as shown in CCW-705 TWF details using one of these methods: 1) Saw cut reglet and mastic; 2) Termination bar and mastic; 3) Cast into masonry joint during construction. Horizontal terminations at end dams require a minimum 2" turn up of membrane to form a tray.

Note: Failure to use adequate pressure at terminating edges and laps will result in a poor seal and potential leak. The use of mastic is not a substitute for a good seal.

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Limitations

Not intended for prolonged exposure. Cover within 60 days of installation.

Do not use in areas where membrane will be subject to continuous exposure to sunlight or to temperatures in excess of 150°F.

Do not install over LM 800 XL or other solvent-based products until solvent has flashed (typically overnight cure).

Do not apply CCW contact adhesive 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

Avoid breathing vapors from the primer and mastic. Use in areas with adequate ventilation. Refer to MSDS for important warnings and safety information.

Storage

CCW-705-TWF rolls should be stored on end, under cover, and in areas where the temperature is between 40° and 80°F (4.4° and 26.7°C). Do not double-stack pallets.

Packaging

Product	Packaging
CCW-705-TWF 12" x 100' (100 sq ft)	2 rolls per box, 32 boxes per pallet
CCW-705-TWF 18" x 100' (150 sq ft)	1 roll per box, 48 boxes per pallet
CCW-705-TWF 24" x 100' (200 sq ft)	1 roll per box, 32 boxes per pallet
CCW-705-TWF 36" x 75' (225 sq ft)	1 roll per box, 35 boxes per pallet
CCW-702 Solvent-Based Contact Adhesive	5-gal Pails, 45 pails per pallet
CCW-702 LV VOC-Compliant Solvent-Based Contact Adhesive	5-gal Pails, 45 pails per pallet

Product	Packaging
CCW-702 WB Water-Based Contact Adhesive	5-gal Containers, 60 containers per pallet
CAV-GRIP™ Aerosol Spray Contact Adhesive	#40 Aerosol Cylinder
CAV-GRIP Accessories	Reusable hose of 6', 12' or 18' and spray gun
LM 800 XL Solvent-Based Synthetic Rubber Mastic	29 fl-oz tubes, 12 per box OR 5-gal pail
Greenbond WB Waterborne Synthetic Polymer Mastic	5-gal Pail
Barribond Silane-Terminated Polyether Detail Sealant	20 fl-oz sausages, 16 per box
SURE-SEAL Termination Bar Aluminum 6063-T6 extrusion	Specialty profile 1" width x 10' length. Pre-punched holes 6" OC and 1" from each end. 50 pcs/ carton
Screws by others for attachment of SURE-SEAL Termination Bar	Use stainless or corrosion-protected screws suitable for attachment to concrete or masonry. Screw shall penetrate substrate 1" minimum.

Typical Properties

Property	Method	Results
Thickness	—	40 mils
Tensile Strength	ASTM D412	1200 psi min
Elongation*	ASTM D412	200%
Pliability	ASTM D146	Passes @ -25°F ¼" mandrel
Peel Adhesion	ASTM D903	5 lb/in width
Puncture Resistance	ASTM E154	80 lbs (min)
Film Tensile Strength	ASTM D882	5,875 psi

*% 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.