



Wall Guardian Venting Copper TWF

Product Description

A full, single sheet of copper bonded with a proprietary rubber based adhesive, between a layer of polymeric fabric and a facer of drainage fabric. Wall Guardian Venting Copper TWF is a drainage plane flashing comprised of >90% recycled product with life of the wall warranty. Wall Guardian Venting Copper TWF is compatible with Air Barriers, Spray Polyurethane Foam, Cavity Wall Insulations, and Construction Sealants. Wall Guardian Venting Copper TWF will not clog with mortar, thereby eliminating the need for mortar netting. Wall Guardian Venting Copper TWF passes both Mold Resistance (ASTM 3273) and Fire Resistance (ASTM E 84, Class A) testing. Rolls are available in standard widths of 12", 16", 18", 24" and 36" in 40' rolls and comes in 3oz for industrial use and 5oz for heavy duty.

Basic Use

Wall Guardian Venting Copper TWF is a universally compatible through-wall flashing used in cavity wall, stucco, manufactured stone, and thin brick wall constructions thereby eliminating the need for mortar netting. Wall Guardian Venting Copper TWF has exceptional puncture resistance. It is flexible and easily formed by hand at the jobsite.

Surface Preparation

All masonry surfaces receiving through-wall flashings shall be free from loose materials, and reasonably smooth. There shall be no slopes that will form pockets or prevent free drainage of water to the exterior surfaces of the wall. All work shall be executed in conformance with accepted trade practice.

Application

Always apply flashing with the soft drainage surface facing up and to the outside.

Horizontal Masonry Surfaces:

Flashing shall be laid on a bed of LT-100 Liquid Tape polyether sealant or equal and topped with a fresh full bed of mortar. Flashing shall be trimmed flush with the exterior face of the wall after inspection.

Vertical Masonry and Concrete Surfaces:

Apply flashing with drainage surface facing up and to the outside. Terminate in one of the following ways:

- Set Termination Clamp in the block backer wall and slide flashing into the clamp shortly before bricks are to be laid.
- Use T-96 termination bar to fasten the flashing to the back wall and seal the top edge with LT-100 Liquid Tape polyether sealant.
- Use other method indicated in the drawings.

Foundation Sill Flashing:

Flashing width required to trim flush with outside face of exterior wythe after inspection, extend through cavity, rising height required on the inside not less than 8". Install on back wall using technique indicated above in Vertical Masonry and concrete surfaces paragraph. Then, lay the flashing for foundation sills in a bed of LT-100 Liquid Tape polyether sealant or equal and top with a fresh full bed of mortar. Flashing shall be trimmed flush with the exterior face of the masonry after inspection. Where sill and column meet, flashing shall be brought a minimum of 10" up the column and be secured with LT-100 Liquid Tape polyether sealant.

Cavity Wall Flashing:

Flashing width required to trim flush with outside face of exterior wythe after inspection, extend through cavity, rising height required to cross cavity and extend up back wall at least 8", rising height required to extend above lintel steel at least 6". Install on back wall using technique indicated above in Vertical Masonry and Concrete surfaces paragraph. Flashing shall be set in a bed of LT-100 Liquid Tape polyether sealant and topped with a fresh full bed of mortar.

Spandrel Flashing:

Spandrel flashing shall be trimmed flush with the outside toe of the shelf angle after inspection, go up the face of the beam and then through the wall turning up on the inside not less than 2"

Parapet or Copings:

Flashing for parapets or copings shall be laid in a bed of LT-100 Liquid Tape polyether sealant or equal and topped with a fresh full bed of mortar. Flashing shall be trimmed flush with the exterior and interior faces of the masonry wall after inspection.

STS Coatings, Inc.

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Head and Sill Flashing:

The flashing shall be trimmed flush with the outside of the wall or lintel angle, then carried through or up the wall as indicated. Flashing shall extend 6" beyond each side of the opening and be turned up at the sides forming a pan. All end dams shall be folded, not cut.

Corners and End Dams:

Corners and end dams can be made per instructions on STS's website (www.stscoatings.com) or use preformed corners and end dams.

Other Areas:

All membrane flashing at other locations shall be installed in accordance with manufacturer's recommendations.

Joining of Material:

Flashing must be butted together over a splice piece. Joints shall be made by using the Wall Guardian Splice Tape sealed with LT-100 Liquid Tape polyether sealant. Splice tape is packaged with the product in the carton.

(Overlapping is not acceptable practice with drainage plane flashing).

Technical Services

Technical advice on use of material for specific application and end use requirements is available from the manufacturer. Material Safety Data Sheet (MSDS) should be consulted for further information. This product is for industrial and professional use only.

Warranty

This product is manufactured of good materials and by competent workmen. Seller's and Manufacturer's only obligations shall be to replace such quantity of product as is proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before applying, Applicator shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability.

Testing Results:

Base Material	Copper
Recycled Content	90%- 93%
Recyclable	YES
Warranty	Lifetime
Drainage fabric	Self-Contained
Primer required	NO
Fire Resistant ASTM E84	YES
Mold Resistant ASTM 3273	YES
Tensile Strength ASTM D 412	32,000
Puncture Resistance ASTM E154	450 psi
Chemically compatible with All Wall Components	YES
Drip Edge Required	NO
Gap Span	Width of cavity

Packaging:

Available in 12", 16", 18", 24", 36" x 40' rolls.
Available in 3 oz, industrial & 5 oz, heavy duty

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