



Wall Guardian Stainless Steel TWF

Product Description

Wall Guardian TWF Standard Stainless Steel is a stainless steel fabric flashing. It's comprised of a full, single sheet of 304 Stainless Steel bonded on one side to a layer of polymeric fabric. Wall Guardian TWF Standard Stainless Steel fabric flashing is made of 60% recycled Stainless Steel. It is compatible with Air Barriers, Spray Polyurethane Foam, Insulation Boards, and Construction Sealants which are part of the building envelope. Wall Guardian Stainless Steel TWF is non-staining and can be used with limestone. Wall Guardian Stainless Steel TWF passes both Mold Resistance (ASTM 3273,) and Fire Resistance (ASTM E 84, Class A) testing. Wall Guardian Stainless Steel TWF is specially formulated to resist degrading in high heat applications.

Basic Use

Wall Guardian Stainless Steel TWF is a universally compatible Stainless Steel Fabric Flashing used in cavity wall, stucco, manufactured stone, and thin brick wall constructions. Wall Guardian Stainless Steel TWF is rated best in class for puncture resistance and tensile strength. 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

Wall Guardian Stainless Steel TWF is for back-up walls built with masonry or studs with sheathing.

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 set flush with the exterior face of the wall.

Vertical Masonry Surfaces:

Spot the surface with LT-100 Liquid Tape polyether sealant until masonry is set. 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 installed.
- 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:

The flashing for foundation sills shall be laid on a bed of LT-100 Liquid Tape polyether sealant and topped with a fresh full bed of mortar. Flashing shall be set flush with the exterior face of the masonry and turned up on the inside not less than 2" or be carried upward across the cavity a minimum of 6". Flashing will then be secured to the back wall as stated above. 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 and a termination bar.

Cavity Wall Flashing:

Flashing shall be set in a bed of LT-100 Liquid Tape polyether sealant and topped with a full bed of mortar. Flashing shall be set flush with the exterior face of the masonry wall and carried through the wall, across the cavity, upward a minimum of 8" and secured to the back wall as described above in the Vertical Masonry Surfaces.

Spandrel Flashing:

Spandrel flashing shall start from the outside toe of the shelf angle and be set in a bed of LT-100 Liquid Tape polyether sealant and topped with a fresh full slurry of mortar, 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 installed in a bed of LT-100 Liquid Tape polyether sealant and topped with a full bed of mortar. Flashing shall be placed flush with the exterior faces of both sides of the wall.

STS Coatings, Inc.
347 Hwy 289, Comfort, TX 78013
(830)995-5177 phone (830)995-5705 fax
WWW.STSCOATINGS.COM



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Head and Sill Flashing:

The flashing shall be placed 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.

Other Areas:

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

Joining of Material:

Joints shall be made by using the Wall Guardian Splice Tape and embedding each side of the connecting flashing 3" on this splice tape. Another option is lapping the flashing a minimum of 6" and coating the contacting surfaces with LT-100 Liquid Tape polyether sealant. Using an interlocking lap per manufacturer's detail is also acceptable with the use of LT-100 Liquid Tape polyether sealant.

Weep Holes:

All flashing installed through masonry shall be provided with proper drainage to outside. Weep holes shall be provided in the head joints on the first course immediately above the flashing. Weep holes shall be kept free of mortar droppings with Weep-Armor or other weep vent protection materials.

STS Coatings recommends the use of LT-100 Liquid Tape polyether sealants to maintain the broad range of compatibility that the Wall Guardian Stainless Steel TWF flashing offers.

Testing Results

Base Material	Stainless Steel
Recycled Content	60%
Recyclable	YES
Warranty	Lifetime
UV exposure (days)	180
Fire Resistant ASTM E84	PASS Class A,
Mold Resistant ASTM 3273	PASS
Tensile Strength ASTM D 412	100,000+ psi
Puncture Resistance ASTM E154	2,500+ psi

Packaging:

Available in 12", 18", 24", 36" x 60' rolls.

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.

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