



Wall Guardian Copper TWF

Product Description

A full, single sheet of copper bonded with a proprietary rubber based adhesive, between two layers of polymer fabric. Wall Guardian Copper TWF passes both Mold Resistance (ASTM D3273) and Fire Resistance (ASTM E 84, Class B) testing. Wall Guardian Copper TWF comes in 3oz and 5oz and the rolls are available in standard widths of 12", 16", 18", 24" and 36" in 60' rolls.

Basic Use

Wall Guardian Copper TWF is a compatible through-wall flashing with all known air barriers, spray polyurethane foam and insulation boards used in cavity wall, stucco, manufactured stone, and thin brick wall constructions. It meets all performance specifications for copper fabric flashings. Wall Guardian 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

Horizontal Masonry Surfaces:

Flashing shall be laid on a bed of LT-100 polyether sealant or equal and topped with a fresh full bed of mortar. Flashing shall be set flush with the exterior masonry.

Vertical Masonry and Concrete Surfaces:

Surfaces receiving the flashing shall be sufficiently spotted with LT-100 polyether sealant or equal to hold it in place until masonry is set. Terminate in one of the following ways:

Set Termination Clamp in block backer wall during backer wall construction and slide flashing under 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 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 polyether sealant or equal 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 with LT-100 polyether sealant or equal as above. Where sill and column meet, flashing shall be brought a minimum of 10" up the column and be secured with LT-100 polyether sealant and a termination bar.

Cavity Wall Flashing:

Flashing shall be set in a bed of LT-100 polyether sealant and topped with a fresh full slurry 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.

Spandrel Flashing:

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

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.

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Joining of Material:

Joint shall be made by lapping the flashing a minimum of 6" and coating the contacting surfaces with LT-100 polyether sealant or equal.

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.

Testing Results:

Base Material	Copper
Recycled Content	90%
Recyclable	Yes
Warranty	Lifetime
Fire Resistant ASTM E84	Pass (class B)
Mold Resistant ASTM D3273	Pass
Tensile Strength ASTM D412	32,000
Puncture Resistance ASTM E154	780
UV Exposure (days)	90

Packaging:

Available in 12", 16", 18", 24", 36" x 60' rolls
Available in 3 oz and 5 oz

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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