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SPECIFICATION BULLETIN NO. 225

YORK MULTI-FLASH™500
COPPER FABRIC FLASHING

DESCRIPTION:

A full, single sheet of 3, 5 or 7 oz. copper sheet bonded with a proprietary rubber based adhesive, between two layers of fiberglass fabric weighing not less than 0.3 oz/ft²/layer with a minimum of 10x20 threads per inch. This fiberglass fabric is color coded to identify the ounce weight of the copper in the product; the 3 oz. being yellow, the 5 oz. being red and the 7 oz. being green. Rolls are available in standard widths of 12", 16", 18", 24" and 36" with the 3 and 5 ounce weights in 60' rolls and the 7 ounce weight in 40' rolls.

FEATURES:

A permanent, premium quality, laminated thru-wall flashing consisting of five (5) layers of waterproofing materials combined under high heat and pressure into a single sheet. It is flexible and easily formed by hand at the jobsite.

Features include:

1. Copper to withstand all harmful acid and alkali action that is present in fresh mortar. Copper is permanently waterproof, high in tensile strength, to resist stretching and allow the product to span gaps, and tough enough to bear the compressive forces in the masonry wall without harmful cold flow.
2. Tough coating of a proprietary rubber based adhesive on both surfaces of the copper core providing additional waterproofing and chemical resistance.
3. Covering of extra heavy glass fabric (10 x 20) on both sides to reinforce the entire assemblage, protect the copper from damage in handling during installation.
4. Proprietary rubber based adhesive provides a perfect bond between Copper and glass fabric.
5. No parting agents are required with this product.
6. Fully compatible with most air-barrier and below-grade waterproofing membranes and their associated caulks and adhesives.

MODEL SPECIFICATIONS:

Special Requirements:

All materials specified shall be delivered to the site in approved manufacturer's sealed containers bearing manufacturer's name and material identification. The ounce weight of the copper membrane must be readily identifiable even after the product leaves its container.

Preparation:

All masonry surfaces receiving thru-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.

Materials:

Flashing shall be York Multi-Flash™500 flashing consisting of a full, single sheet of 3, 5 or 7 oz. copper sheet bonded with a proprietary rubber based adhesive, between two layers of fiberglass fabric weighing not less than 0.3 oz/ft²/layer with a minimum of 10x20 threads per inch. This fiberglass fabric shall be color coded to identify the ounce weight of the copper in the product; the 3 oz. being yellow, 5 oz. being red and 7 oz. being green.

Applications:

Horizontal Masonry Surfaces:

Flashing shall be laid on a slurry of fresh mortar, appropriate sealant or EPDM lap tape and topped with a fresh full bed of mortar. Flashing shall be carried through the wall as detailed with enough left exposed at the exterior for inspections and visual identification of fiberglass cloth color for verification of copper membrane ounce weight. After inspection, flashing shall be cut flush with the exterior masonry.

Vertical Masonry Surfaces:

Surfaces receiving the flashing shall be sufficiently spotted with Cop-R-Tite mastic, Type R® cement, double-sided EPDM tape, or your choice of polyurethane, polysulfide or silicone adhesives, which are readily available commercially, to hold it in place until masonry is set. Secure to back wall with termination bar or in mortar joint or reglet as detailed.

Foundation Sill Flashing:

The flashing for foundation sills shall be laid on a slurry of fresh mortar, appropriate sealant or EPDM lap tape and topped with a fresh full bed of mortar. Flashing shall extend beyond the exterior face of the masonry to be trimmed flush with the exterior face after inspection 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 a termination bar or in a reglet or mortar joint. Where sill and column meet, flashing shall be brought a minimum of 10" up the column and be secured with Cop-R-Tite mastic, Type R® cement, double-sided EPDM tape, or your choice of polyurethane, polysulfide or silicone adhesives, which are readily available commercially.

Cavity Wall Flashing:

Flashing shall be laid on a slurry of fresh mortar, appropriate sealant or EPDM lap tape and topped with a fresh full slurry of mortar. Flashing shall extend beyond the exterior face of the masonry wall and carried through the wall, upward across the cavity a minimum of 6" and secured to the back wall with a termination bar or in the mortar joint or reglet. After inspection, the flashing shall be cut flush with the exterior face of the masonry wall.

Spandrel Flashing:

Spandrel flashing shall start from the outside toe of the shelf angle, 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 on a slurry of fresh mortar, appropriate sealant or EPDM lap tape and topped with a fresh full bed of mortar. Flashing shall extend beyond with the exterior and interior faces of the masonry wall. After inspection, the flashing shall be cut flush with the exterior face of the masonry wall.

Head and Sill Flashing:

The flashing shall extend beyond the outside of the wall or lintel angle to be trimmed flush with outside of the wall or lintel angle after inspection, 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 corners 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:

Joint shall be made by lapping the flashing a minimum of 6" and coating the contacting surfaces with double sided EPDM tape, Cop-R-Tite mastic, Type R® cement or polyurethane, polysulfide or silicone adhesives, which are readily available commercially.

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.

Mortar Deflection:

A mortar deflection device should be installed at all flashing locations to ensure proper weepage.

LIMITED WARRANTY

York Manufacturing, Inc. warrants this product to be free of defects in workmanship and materials for the life of the wall. If any York Multi-Flash™500 flashing proves to contain manufacturing defects that substantially affect their performance, York Manufacturing, Inc. will, at its option, replace it or refund its purchase price.

This limited warranty is the only warranty extended by York Manufacturing, Inc. with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. York Manufacturing, Inc. 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 York Manufacturing, Inc. liability and buyer's remedy under their limited warranty shall not exceed the purchase price of the York Multi-Flash™500 flashing in question.

INSPECTION:

In each area where membrane flashing has been installed, a minimum of three locations in the wall joint above the flashing shall be left clean of mortar for water to be forced into the opening to determine if flashing has been installed properly and weep holes provided in accordance with these specifications. All flashing that has been left exposed to the exterior should be trimmed flush with the exterior masonry at this time.