



ADVANCED
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SPECIFICATION BULLETIN No. 104

COP-R-KRAFT DUPLEX

FLASHING

DESCRIPTION:

A full, single sheet of 1, 2, 3 or 5 oz. Copper bonded on both sides by asphalt to heavy waterproofed creped kraft paper (3 and 5 oz. weights reinforced with heavy fibers).

FEATURES:

A permanent, economical quality laminated thru-wall flashing consisting of five (5) layers of time proven waterproofing materials combined under heat and pressure into a single sheet. It is flexible and is 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 tough enough to bear the compressive forces in the masonry wall without harmful cold flow.
2. Tough coating of asphalt on both surfaces of the copper core providing additional waterproofing and chemical resistance.
3. Covering of heavy waterproofed creped kraft paper on both sides to reinforce the entire assemblage, protect the copper from damage in handling during installation and to provide a rough textured surface which promotes an excellent bond in the mortar joint.
4. Asphalt properly applied in the manufacturing process provides a perfect adhesive between Copper and kraft paper.

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.

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 Advanced Cop-R-Kraft Duplex consisting of a full, single sheet of copper weighing (specify 1, 2, 3 or 5 oz. copper) per sq. ft. bonded on both sides by asphalt to heavy, waterproofed creped kraft paper. (3 and 5 oz. are reinforced with heavy interlacing fibers.)

Applications:

Horizontal Masonry Surfaces:

Flashing shall be laid in a slurry of fresh mortar and topped with a fresh full bed of mortar. Flashing shall be carried through the wall as detailed and left exposed at the exterior for inspections only. 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 to hold it in place until masonry is set. Secure in back wall mortar joint or reglet as detailed.

Foundation Sill Flashing:

The flashing for foundation sills shall be laid in a slurry of fresh mortar and topped with a fresh full bed of mortar. Flashing shall be left 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 in the back wall 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.

Cavity Wall Flashing:

Flashing shall be laid in a slurry of fresh mortar and topped with a fresh full slurry of mortar. Flashing shall be left flush with the exterior face of the masonry wall and carried through the wall, upward across the cavity a minimum of 6", and be secured in the back wall mortar joint or reglet.

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 in a slurry of fresh mortar and topped with a fresh full bed of mortar. Flashing shall come flush with the exterior and interior faces of the masonry wall.

Head and Sill Flashing:

The flashing shall start 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 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 a minimum of 4" and coating the contacting surfaces with Cop-R-Tite Mastic.

Weep Holes:

All flashing installed through masonry shall be provided with proper drainage to outside. Weep holes shall be provided in the head joint, the first course immediately above the flashing. Weep holes shall be kept free of mortar droppings.

Mortar Deflection:

A mortar deflection device, such as MORTAR BREAK®, should be installed at all flashing locations to ensure proper weepage.

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.**