

Metaflex® 5000 MetaMat™ Floor Fire Barrier

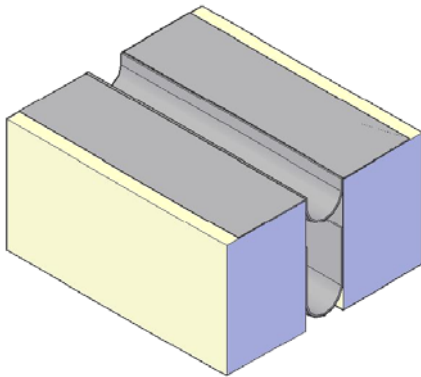
(Foil Flange Type)

Installation Instructions

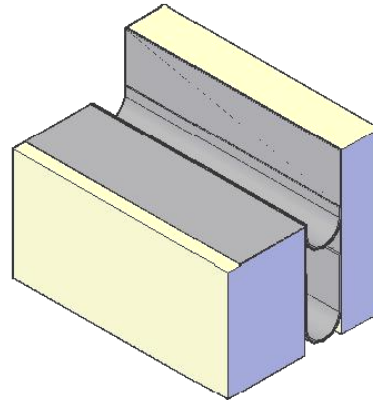
The following installation instructions are very important. Read them carefully, and be sure you understand them completely before you begin any work. Refer to Balco shop drawings for placement dimensions and anchor spacing.

Applicable Models:

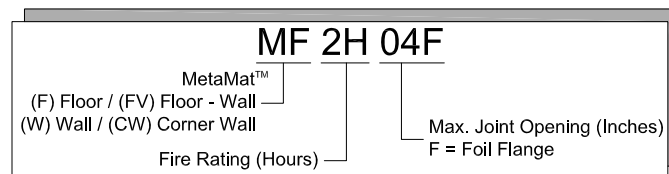
MF2H04F MFV2H04F



MF2H0(x)F



MFV2H0(x)F



Important Note:

MetaMat™ fire barrier must be installed in conjunction with an approved expansion joint cover type specific to the MetaMat™ product. The chart below indicates approved product combinations.

Fire Barrier Listing / Approved Cover Types		
MetaMat™ Model	Metal Cover	EPDM / Santoprene / PVC Covers
MF2H04F	FF-D-0063	Pending
MFV2H04F	FF-D-0063	Pending

Floor-to-Floor MetaMat™ Installations (MF2H04F)

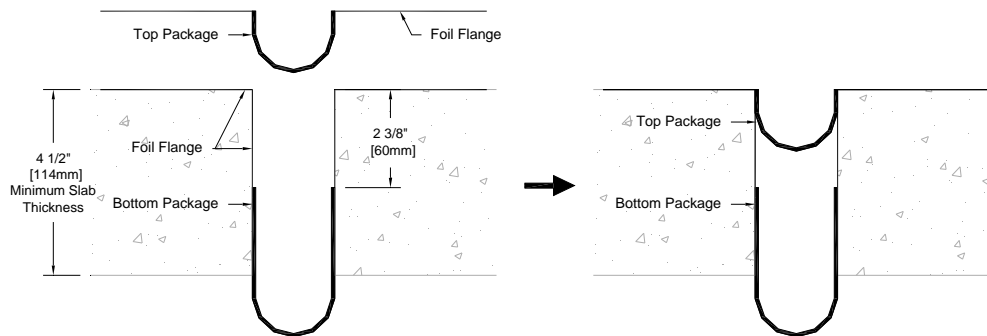
Step 1: Install Bottom MetaMat™ Package

Select the bottom package of MetaMat™ fire barrier and place it, foil side down, into its installed position inside the joint. The aluminum flanges should rest on the surface of the slab.

The top of the intumescent mat should be 2 3/8" below the slab's surface.

Step 2: Install Top MetaMat™ Package

Select the top package of MetaMat™ fire barrier and place it, foil side down, inside of the bottom package of MetaMat™. The aluminum flanges should rest on the surface of the top packages' foil flanges. *The intumescent mat should be installed flush with the slab's surface.*



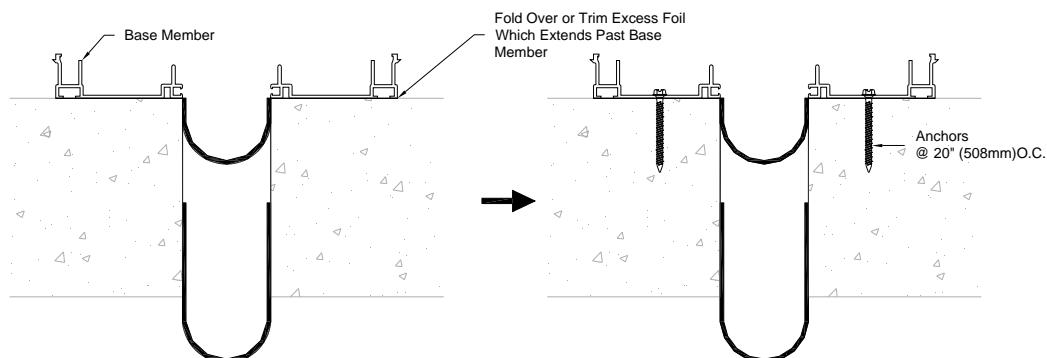
Step 3: Install Metal Expansion Joint Cover Base Members

Select one base member for the expansion joint cover being installed. Place the base member into its installed position over the MetaMat™ foil flanges. Using the base member's drilled anchor holes as a template, mark and drill the slab & foil flange anchor holes. Secure the base member and both packages of fire barrier to the slab using the factory provided anchors.

Anchors should be spaced a minimum of 2" (51mm) from each end of each base member, with each successive anchor spaced at 20" (508mm) O.C.

- ◆ Repeat for each successive base member and the opposite side of the expansion joint.

Complete the expansion joint cover installation per the product specific installation instructions.



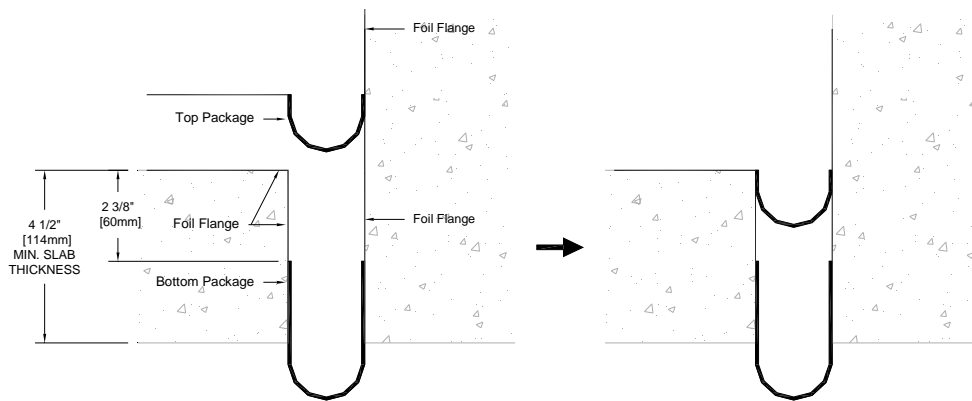
Floor-to-Wall MetaMat™ Installations (MFV2h04F)

Step 1: Install Bottom MetaMat™ Package

Select the bottom package of MetaMat™ fire barrier and place it, foil side down, into its installed position inside the joint. The aluminum flanges should rest on the surface of the slab, and against the wall parallel to the joint. *The top of the intumescent mat should be 2 3/8" below the slab's surface.*

Step 2: Install Top MetaMat™ Package

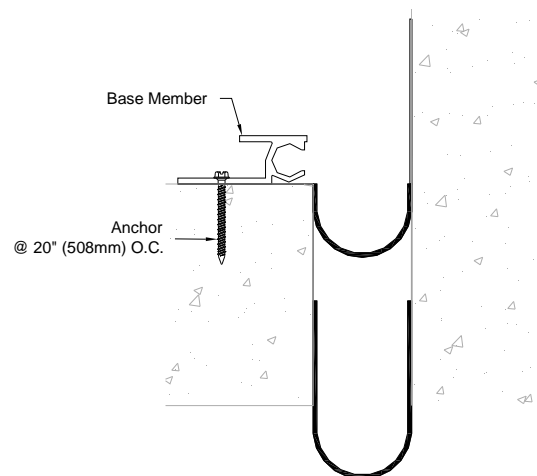
Select the top package of MetaMat™ fire barrier and place it, foil side down, inside of the bottom package of MetaMat™. The aluminum flanges should rest on the surface of the top packages' foil flanges. *The intumescent mat should be installed flush with the slab's surface.*



Step 3: Install Expansion Joint Cover Base Member

Select a base member for the expansion joint cover being installed. Place the base member into its installed position over the MetaMat™ foil flanges. Using the base member's drilled anchor holes as a template, mark and drill the slab & foil flange anchor holes. Secure the base member and both packages of fire barrier to the slab using the factory provided anchors.

Anchors should be spaced a minimum of 2" (51mm) from each end of each base member, with each successive anchor spaced at 20" (508mm) O.C.



Step 4: Drill Galvanized Retainer Strap and Wall Anchor Holes (If Applicable)

Use of a galvanized retainer strap is dependent upon the expansion joint cover model being installed with the MetaMat™ fire barrier. Reference Balco approved shop drawings for relevant applications.

If a galvanized retainer strap is required: Select a section of galvanized retainer strap and the wall base member of the expansion joint cover. Using the wall member as a template, mark and drill the anchor hole locations on the galvanized strap.

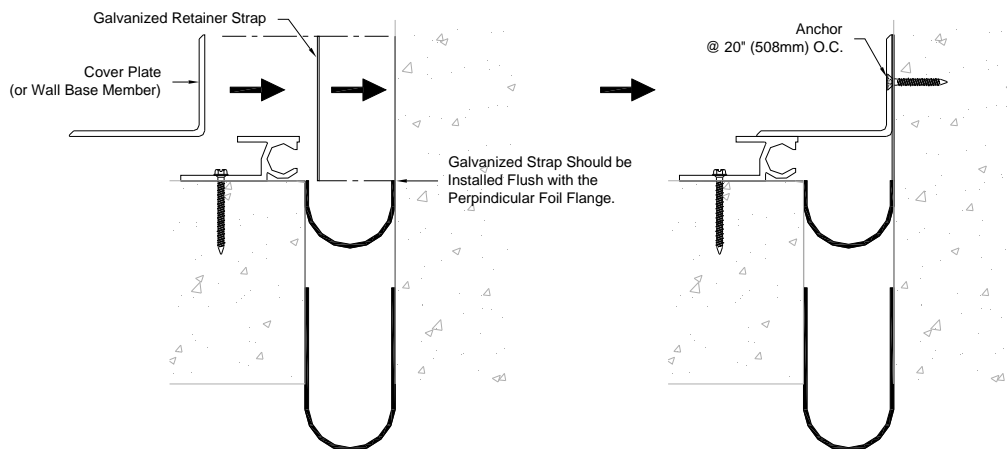
Using the drilled-anchor strap or wall member as a template, mark and drill the anchor locations on the wall. (Pre-drilling the wall is not necessary for gypsum / stud construction.)

- ♦ The bottom edge of the galvanized strap should be aligned with the perpendicular foil MetaMat™ flange.

Step 5: Secure the MetaMat™ to the Wall

Secure the wall member, galvanized strap (if required), and both layers of MetaMat™ to the wall using the factory provided anchors. Anchors should be spaced 2" (51mm) from each end of each extrusion, with each successive anchor spaced at 20" (508mm) O.C.

Complete the expansion joint cover installation per the product specific installation instructions.



Splicing MetaMat™ Fire Barrier

Overlap the mating sections of foil flange 6" (152mm) and tape the splice, top and bottom, with 2" wide aluminum foil tape (not supplied).

Overlap the mating sections of MetaMat™ fire barrier 6" (152mm) and bond them together using a general purpose spray adhesive (Tri-Star 35,3M High-Strength 90, or equal, by others). Place fasteners near the splice.