

## MetaBlock®

**MBF2H0125, MBF2H0238, MBF2H0350, MBF2H0450S**

### IMPORTANT

The following instructions are very important. Read them carefully, and be sure you understand them completely before you begin any work.

Store this product in the horizontal position in a clean, dry location. This is a finished product. Store this product in a protected area. Do not stack anything on top of this product.

Review approved Balco shop drawings for types and locations prior to beginning work.

### RECOMMENDED TOOLS

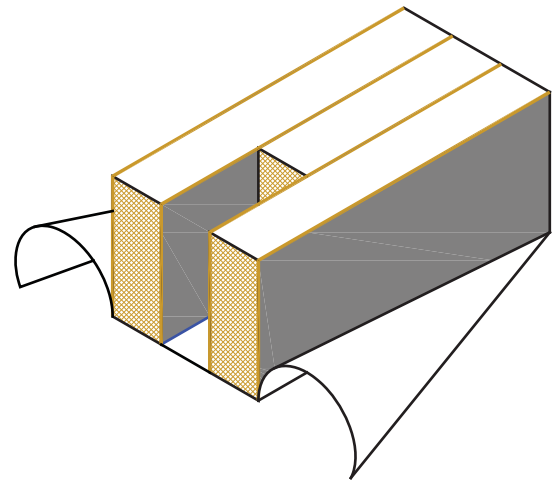
CLEAN RAGS / MINERAL SPIRITS / UTILITY KNIFE / MITER BOX AND SAW

### STEP ONE

If splicing is not required, proceed to **Step Five**.

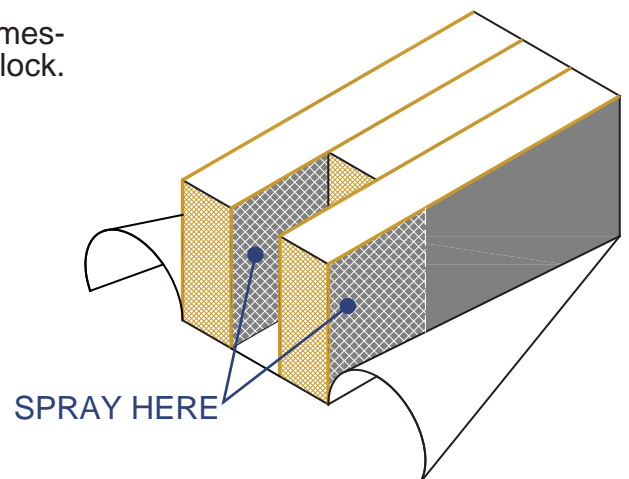
If splicing is required, select the mating pieces of MetaBlock® and the provided spray adhesive.

Fold back the aluminum scrim a nominal 6" (152mm) to reveal the mating ends of each section.



### STEP TWO

Spray adhesive onto the overlap sections of intumescent mat on one of the mating sections of MetaBlock.



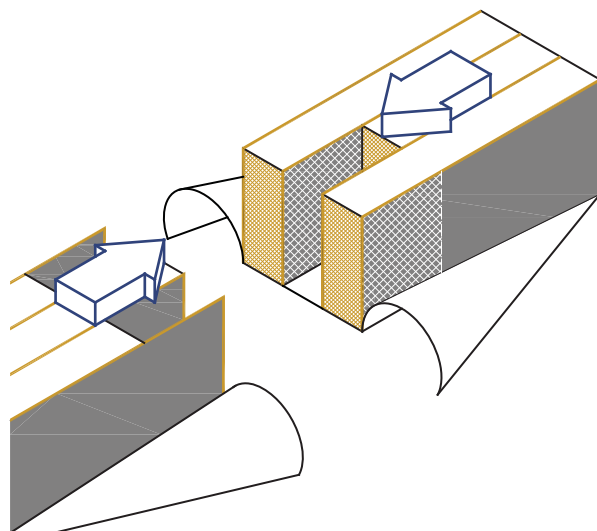
# MetaBlock® 2 Hour Floor Expansion Joint Fire Barrier, Sizes 0125 - 0450S

## STEP THREE

Compress the mating sections of the MetaBlock® together so that the fingers and grooves fit together, the foam ends are pressed snugly together and the overlapped intumescent mat strips are glued to one another.

## NOTE:

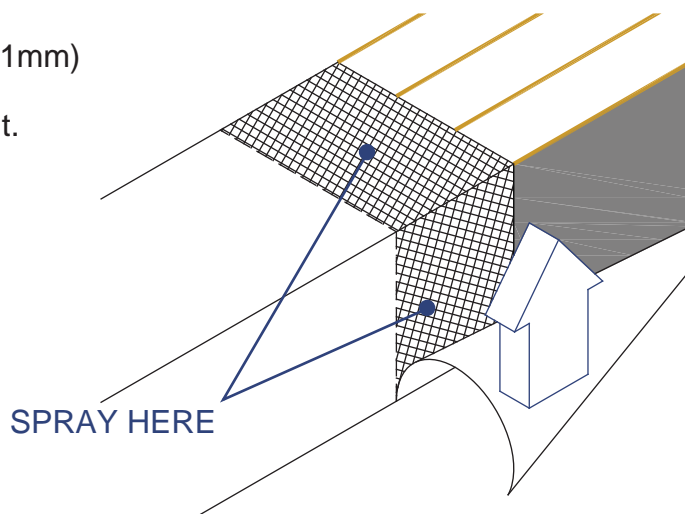
It is not necessary to glue the ends of the foam to one another.



## STEP FOUR

The aluminum scrim sections should overlap a nominal 2" (51mm)

Apply spray adhesive to the overlap of the scrim and close it.

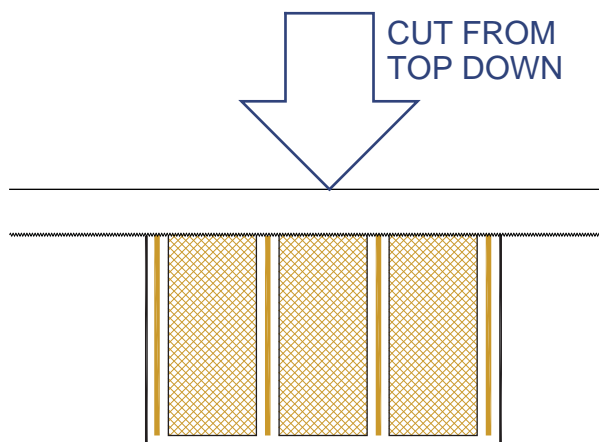


## STEP FIVE

Trim the MetaBlock® to length, as required.

Use a hand saw with a fine-toothed blade (approx. 32 teeth per inch) and a miter box to trim the MetaBlock® to length. Take care not to crush the MetaBlock®.

If the saw does not cut completely through the MetaBlock®, use a utility knife to trim the remaining scrim.



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## STEP SIX

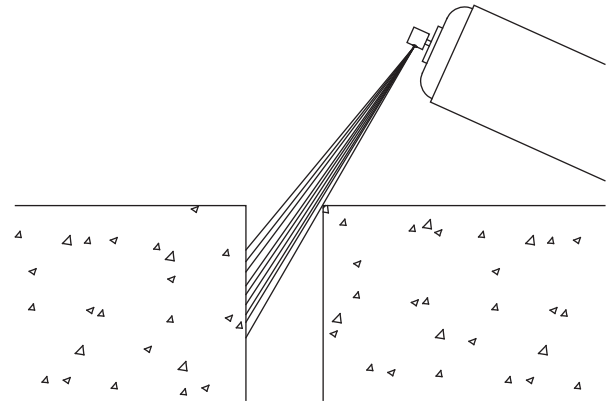
### Option 1

Select the spray adhesive.

Spray adhesive onto the area of both joint interface walls that will contact the respective sides of the MetaBlock®.

Ensure that the adhesive is not sprayed onto the surfaces that will receive the joint cover sealants or adhesives. A piece of cardboard may be used to shield these surfaces as the adhesive is applied.

Compress the MetaBlock® into the joint so that it contacts the adhesive coated areas of the joint interface walls, leaving no gaps.



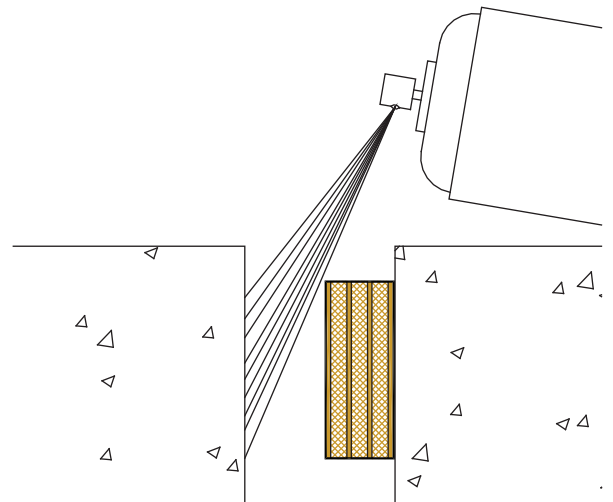
SPRAY BOTH SIDES OF JOINT

### Option 2

In some cases, it is easier to use an alternate installation method.

First, insert the MetaBlock® into the joint. Then, working from one end of the joint to the other, use your hand to pull the barrier away from the joint and spray adhesive on the joint surface behind the barrier.

Repeat this process on both sides of the installed fire barrier, ensuring no kinks or gaps develop in the MetaBlock®.



## STEP SEVEN

Complete the installation of the joint cover system in accordance with the installation instructions appropriate for the system.

## TRANSITIONS

### 90 DEGREE TRANSITIONS IN THE SAME PLANE

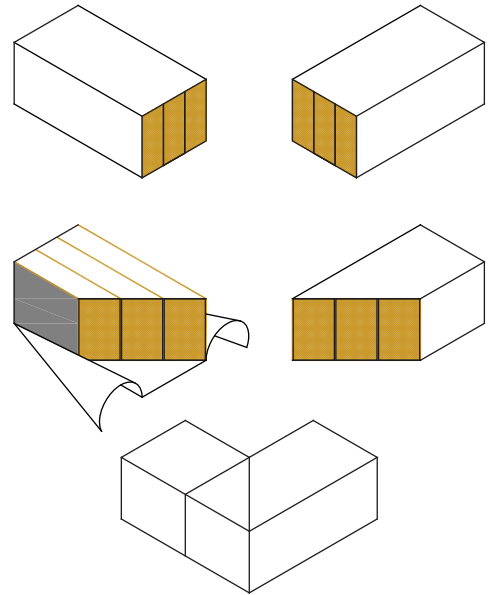
To transition MetaBlock® in the same plane, first trim both mating pieces of MetaBlock® so that both the block and encapsulating scrim of each section are flush. (See **Step Five**)

Select one mating piece of MetaBlock® and miter the mating end (both block and scrim) at a 45 degree angle.

Select the other mating piece of MetaBlock® and miter only the block at the matching 45 degree angle. Do not trim the scrim of this piece.

Mate the two pieces together, then use the included spray adhesive to adhere the aluminum scrim together.

Install the finished MetaBlock® transition in accordance with **Steps One through Seven**.



### 90 DEGREE FLOOR TO WALL TRANSITIONS

To transition floor and wall MetaBlock®, first trim both mating pieces of MetaBlock® so that both the block and encapsulating scrim of each section are flush. (See **Step Five**.)

Firmly abut both mating pieces of MetaBlock® and install in accordance with the appropriate installation instructions.