

# MODEL 2FB17UM FIRE BARRIER INSTALLATION INSTRUCTIONS (9" to 30" Max. Open)



## IMPORTANT INFORMATION

Prior to the commencement of Installation all materials **MUST** be inspected for Damage. Any damage must be reported to Construction Specialties as soon as possible, so that replacement materials may be furnished without delay.

All work must be completed as per Architect's Approved "Shop Drawings", and in accordance with these Installation Instructions. When installation is complete, all materials must be protected from damage until the Architect's FINAL INSPECTION.

All materials should be arranged in the order that they are to be installed. All hardware required for each portion of the work should be placed with the appropriate materials.

Please review all Approved Shop Drawings and this Document to familiarize yourself with all the details and components of this assembly.

### IMPORTANT:

**READ THROUGH ALL INSTRUCTIONS PRIOR TO STARTING INSTALLATION**

10/7/2022



**Construction Specialties™**

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General Instructions:

**ALWAYS WEAR GLOVES** when handling and cutting the barrier.

Before beginning installation, review the architectural drawings and approved Construction Specialties Inc. shop drawings to familiarize yourself with the joint cover models and locations.

Check all of the joint cover components to confirm that the correct joint cover model and size have been received. Also, check for materials that may have been damaged during shipping. Report all incorrect and/or damaged components to CS at 800-233-8493.

Read through all the steps of these instructions prior to beginning work.

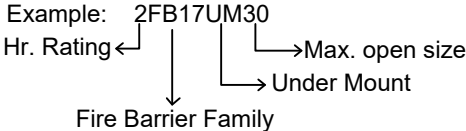
**TOOLS:**

The following tools may be needed for installation of the 2FB17UM fire barrier:

- Fabric or Leather Work Gloves
- Measuring Tape
- Hammer Drill
- Permanent Marker
- Tin Snips or Grinder
- Hammer
- Utility Knife
- Drill
- Quick Grip Clamps

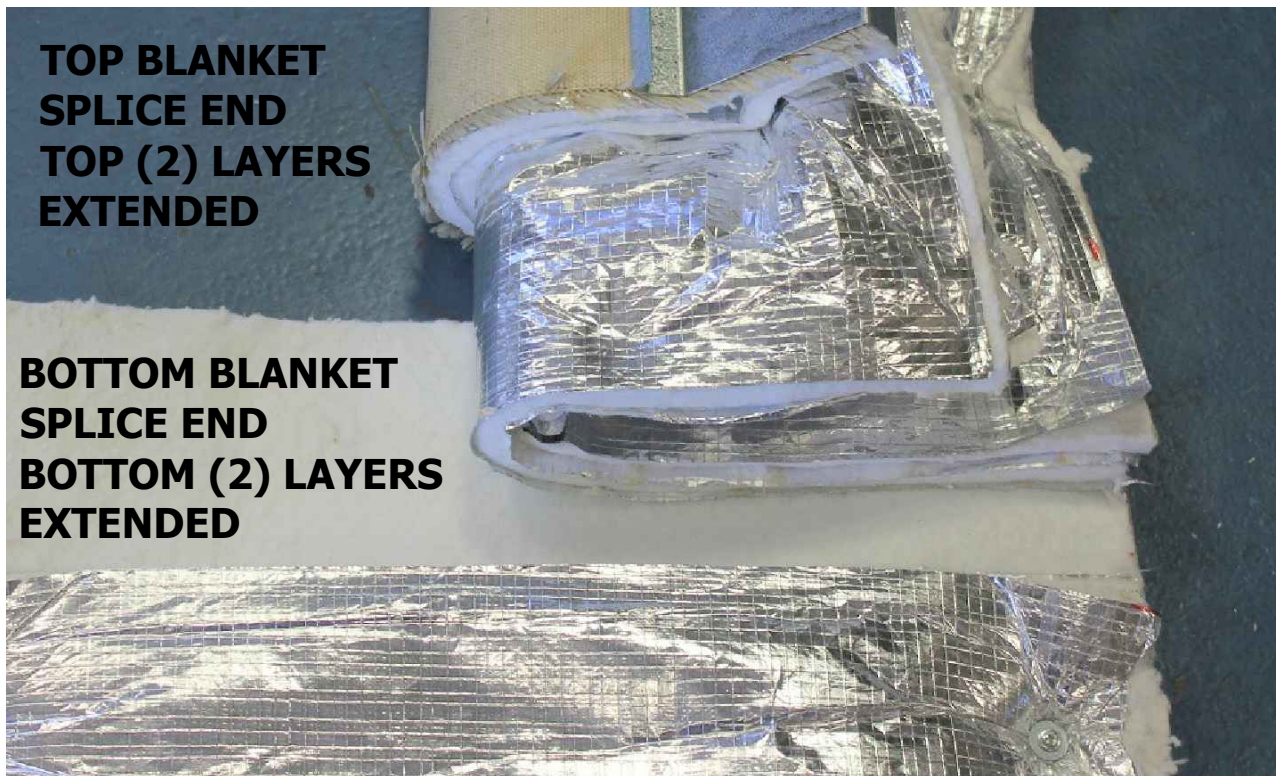
Model designating - 2FB17UM supplied is based on the max. open width.

2FB17UM Nomenclature



To view / download Installation Instructions for 2FB17UM visit [ww.c-sgroup.com/expansion-joint-covers/accessories/2FB17UM](http://ww.c-sgroup.com/expansion-joint-covers/accessories/2FB17UM)

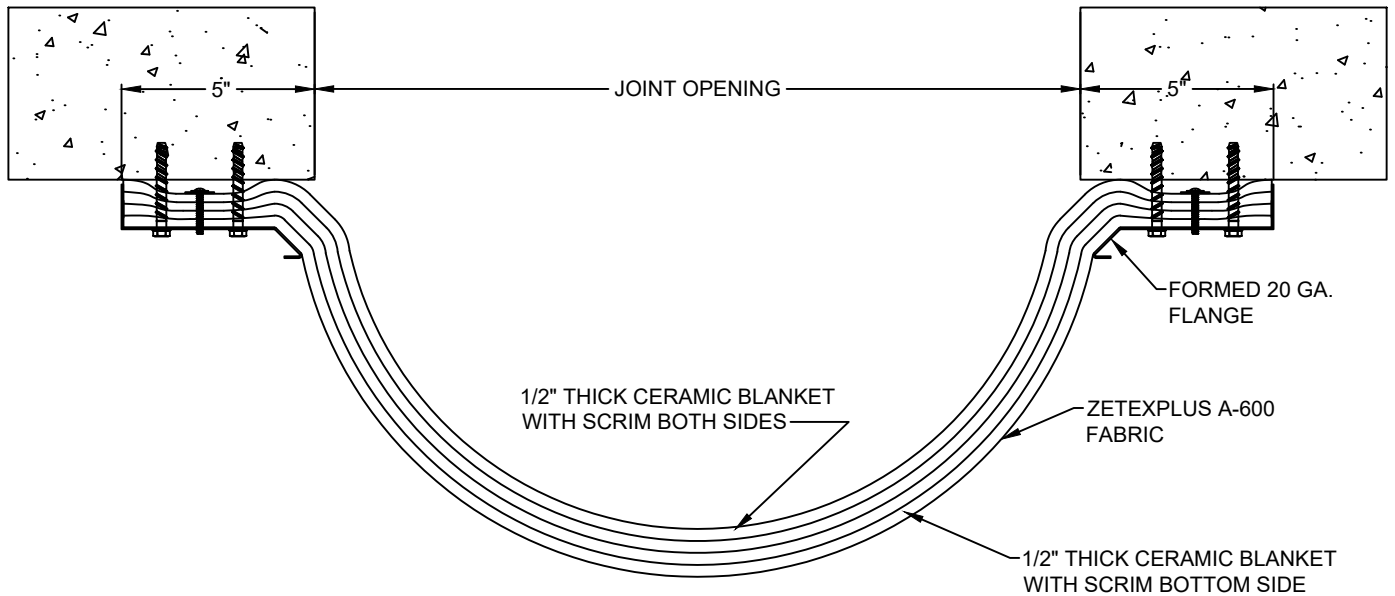
# INSTALLATION NOTES



1.) The 2FB17UM floor Fire Barrier is supplied in 10' lengths and will have a Top and a Bottom blanket with extended splice ends for field splicing. See field splicing instructions later in these instructions explaining the splicing method.

2.) The 2FB17UM floor Fire Barrier has attached Galvanized Retainers.

# INSTALLATION NOTES CON'T



(Fig. IN-A)

- 3.) Check the joint opening.
- 4.) To aid in installation, clips are included to temporarily hold in place the 2FB17UM Fire Barrier section until fasteners are installed. (FIG. IN-A)
- 5.) Field cutting barriers to the specific overall length may be required.
- 6.) It is recommended to work with a minimum of two (2) people to lift, position and install the 2FB17UM 10' lengths.



# STEP 1

## INSTALLATION OF FIRE BARRIER/ CLIP RETAINERS

Note: When beginning installation, make sure that the first barrier segment is placed so that the "Top Blanket Splice End having the top 2 blanket layers extended" is in the correct orientation position for the next barrier segment.

- 1.1) Measure and mark on the ceiling 5" over from the joint opening marking both sides of the joint. Snap a chalk line for reference and placement of 2FB17UM flange edge. (Fig. 1A & 1B)
- 1.2) Install provided installation clips, 2 per side per 10' length, this will aid in the installation of the 2FB17UM along the chalk line. See photos for orientation of clips to joint opening. (Fig. 1C)
- 1.3) Beginning at one end of the joint with the first section of 2FB17UM, in its proper orientation for splicing, aligned with the joint end, slip the 2FB17UM flange into the installed clips. (Fig. 1D ) Slightly bend the clip downward to slip over the fire barrier flange lip edge. (Fig. 1E)
- 1.4) Repeat for the opposite side of the joint . (Fig. 1F)



(Fig. 1A)



(Fig. 1B)



(Fig. 1C)



(Fig. 1D)



(Fig. 1E)



(Fig. 1F)

# STEP 1 Con't.

## INSTALLATION OF FBUM FIRE BARRIER / RETAINERS

Note: \*\*Make sure flange is tight to vertical leg of clip, adjust if needed.

- 1.5) With the clips holding the 2FB17UM in place install the CS supplied fasteners, per the manufacturer's guidelines, The fasteners are installed 18" O.C. and staggered in the predrilled galvanized flange. (Fig. 1G)
- 1.6) Draw-up the galvanized flange to sit tight against the bottom of the floor substrate. (Fig. 1H)
- 1.7) Remove the clips and re-install along the chalk line to aid in any additional 2FB17UM material lengths. (Fig. 1J)



(Fig. 1G)



(Fig. 1H)



(Fig. 1J)



# STEP 2

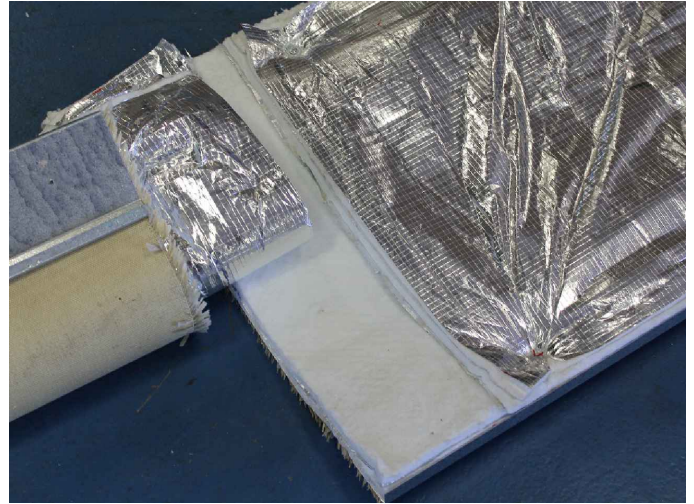
## SPLICING 2FB17UM LENGTHS TOGETHER

The following instructions are to be used to splice together two lengths of 2FB17UM Fire Barrier sections. Proper orientation to the previously installed 2FB17UM length is required.

- 3.1) When additional 2FB17UM lengths are needed orient the Bottom Blanket Splice End, with the bottom 2 layers extended, to the previously installed Top Blanket Splice End, with the top 2 layers extended. (Fig. 2A-2B)
- 3.2) With the next length of 2FB17UM in its proper orientation butt the Bottom Blanket Splice end to the installed Top Blanket Splice End and install following installation Steps of 1.3-1.7. (Fig. 2C-2E)



(Fig. 2A)



(Fig. 2B)



(Fig. 2C)



(Fig. 2D)



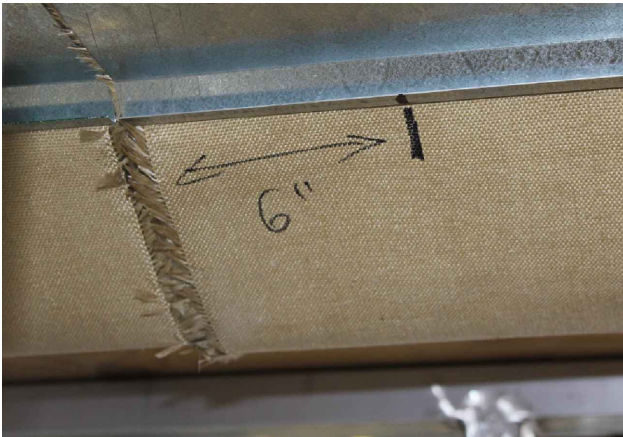
(Fig. 2E)

# STEP 3

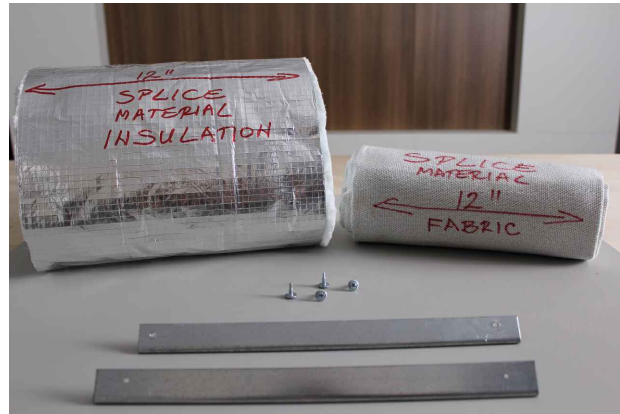
## SPLICE STRIP INSTALLATION

Note: At the butted segments of Fire Barrier a Splicing Kit containing, galvanized flanges, 12" wide roll of Insulation and Fabric is used to insulate the butt joints.

- 3.1) Measure and mark 6", each side the installed 2FB17UM at the splice section.(Fig 3A)
- 3.2) Locate the 12" wide Splice Insulation roll and Fabric, using the Splice Strip Chart cut the material to length at your 2FB17UM max open dimension. (Fig. 3B-3E)
- 3.3) Match the two pieces of the Splice strip material and tape together using several pieces foil tape along the length. (Fig. 3F)



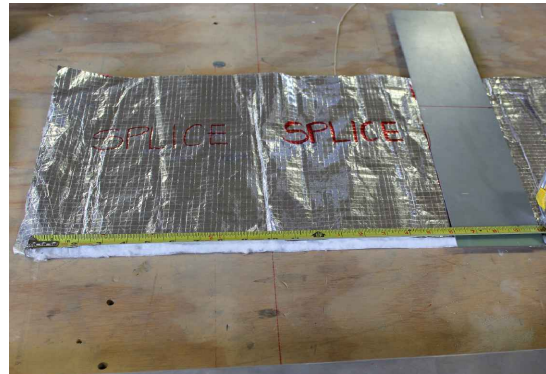
(Fig. 3A)



(Fig. 3B)

SPLICE STRIP CHART - WALL FIRE BARRIERS	
FIRE BARRIER MODEL SIZE (MAX OPEN)	SPLICE STRIP & FABRIC LENGTH
2FB17UM-9	19"
2FB17UM-12	22"
2FB17UM-15	25"
2FB17UM-18	28"
2FB17UM-21	31"
2FB17UM-24	34"
2FB17UM-27	37"
2FB17UM-30	40"

(Fig. 3C)



(Fig. 3D)



(Fig. 3E)



(Fig. 3F)



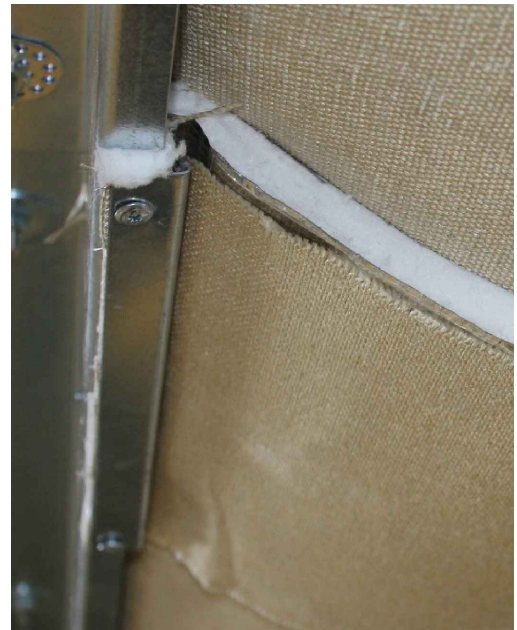
# STEP 3 Con't

## SPLICE STRIP INSTALLATION

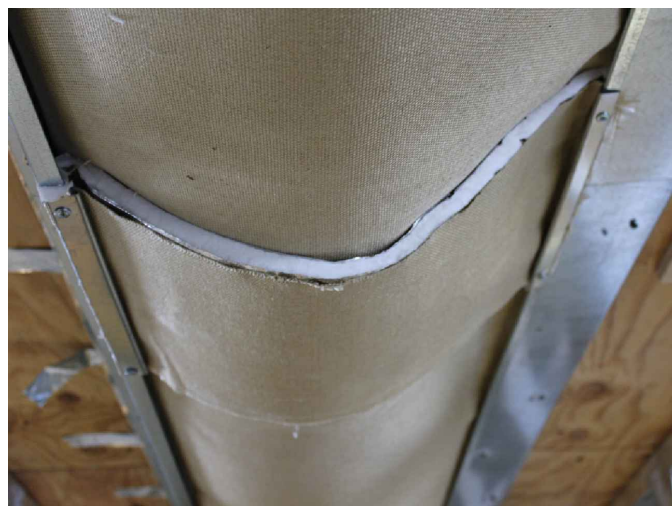
- 3.4) At the butt splice location loosen the last two fasteners near the ends of each galvanized flange to allow room behind the flange for insulation of splice.
- 3.5) Tuck one end of the assembled (taped) Splice Blanket and Fabric in between the galvanized flange and fabric material of the installed 2FB17UM length. Allow the Splice material to wrap down and over the galvanized flange edge of the installed fire barrier. (Fig. 3G)
- 3.6) Attach the Galvanized Flange, supplied in the Splice Kit, installing over the 2FB17UM galvanized flange and the assembled Splice Blanket and Fabric. (Fig. 3H-3J)
- 3.7) Repeat Steps 3.5-3.6 for the opposite side of the Splice joint.
- 3.8) Tighten the loosened galvanized flange fasteners to draw-up the galvanized flange to sit tight against the bottom of the floor substrate.



(Fig. 3G)



(Fig. 3H)



(Fig. 3J)

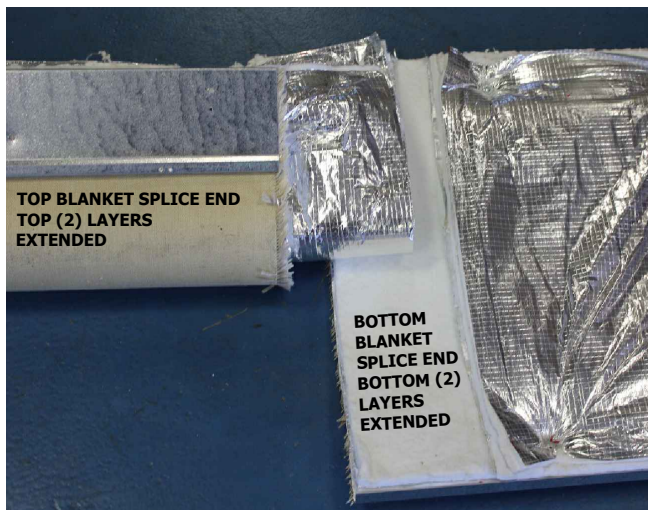


# STEP 4

## CUTTING DOWN A FIRE BARRIER LENGTH

**Note:** If a 10' length of Fire Barrier needs to be cut down follow the instructions below to properly cut the 2FB17UM blanket and the galvanized retainers. Make sure the Bottom Blanket Splice End is in the proper orientation to splice the 2FB17UM lengths together.

- 4.1) Having the Bottom Blanket Splice End, with the bottom 2 layers extended, measure in from the end of the top two blanket layers the fire barrier length needed to complete the run. Mark a reference cut line on blanket. Extended the measurement to the opposite side of the 2FB17UM and draw a cut line across the galvanized flanges and 2FB17UM fabric to follow. (Fig. 4A-4C)
- 4.2) Cut the galvanized flanges using a grinder and a utility knife to cut the fire barrier blanket material along the marked cutting line.
- 4.3) Follow installation instructions Steps 1 through 3 to install the cut down F2B17UM segments in the joint or to splice together.



(Fig. 4A)



(Fig. 4B)



(Fig. 4C)

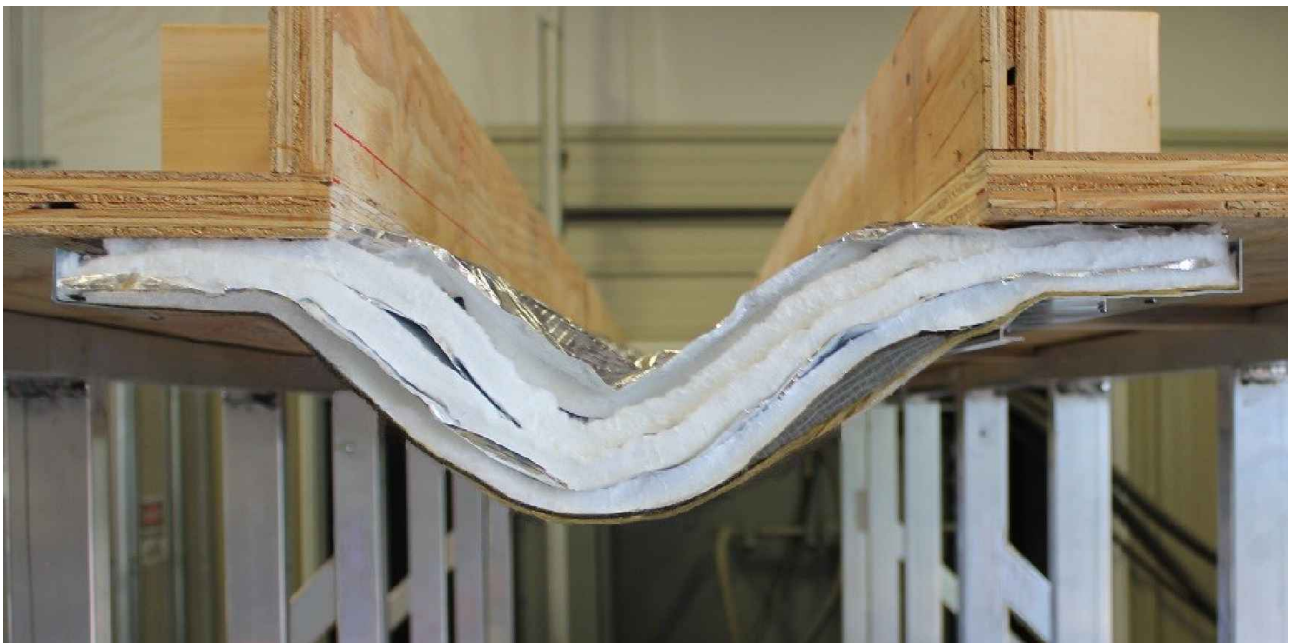
# STEP 5

## COMPLETE INSTALLATION

5.1) The installation of the 2 hour Fire Barrier 17 Under Mount i(2FB17UM) s now complete. (Fig. 5A-5B)



(Fig. 5A)



(Fig. 5B)