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Product Installation Instructions for 2"-25" Openings
Horizontal & Vertical Top-Mount Applications
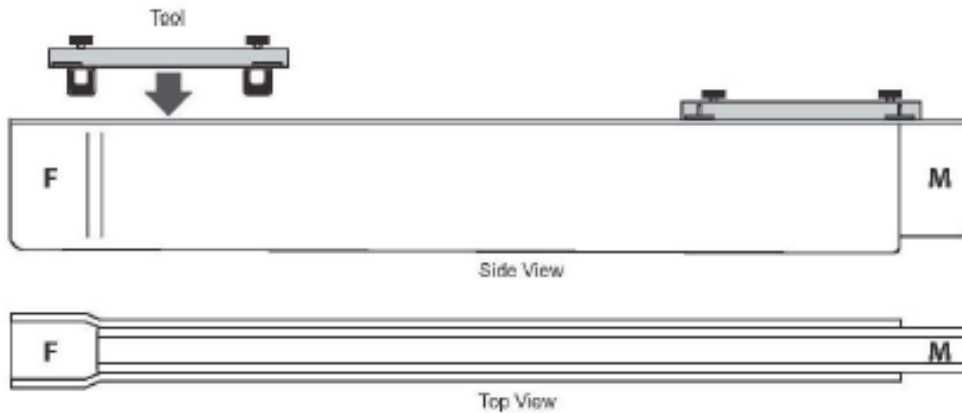
General Notes:

- Fire barriers are required to be installed in accordance with the installation instructions to maintain Intertek rating.

- These instructions are **ONLY** for the installation of horizontal Floor Fire barrier systems.

- Fireline 520® highly recommends the use of the eye protection, heavy duty work gloves, and long sleeve shirts during the entire installation process. Implement all state and federal Industry safety rules standards

- Fireline 520® fire barriers come pre-assembled and ready to install. On rare occasions splicing and other cutting may be necessary. These are guidelines and not specific recommendations and do not take the place of an engineering evaluation as the use of Fireline components that have been modified from as provided specifications. Any modifications without a paid engineering judgment will avoid any warranty

- *Joints and directional changes must be installed first.*

- All female ends need to be caulked using 3M CP25. The bead of caulk needs to be approximately 1" in the span the width of the material.
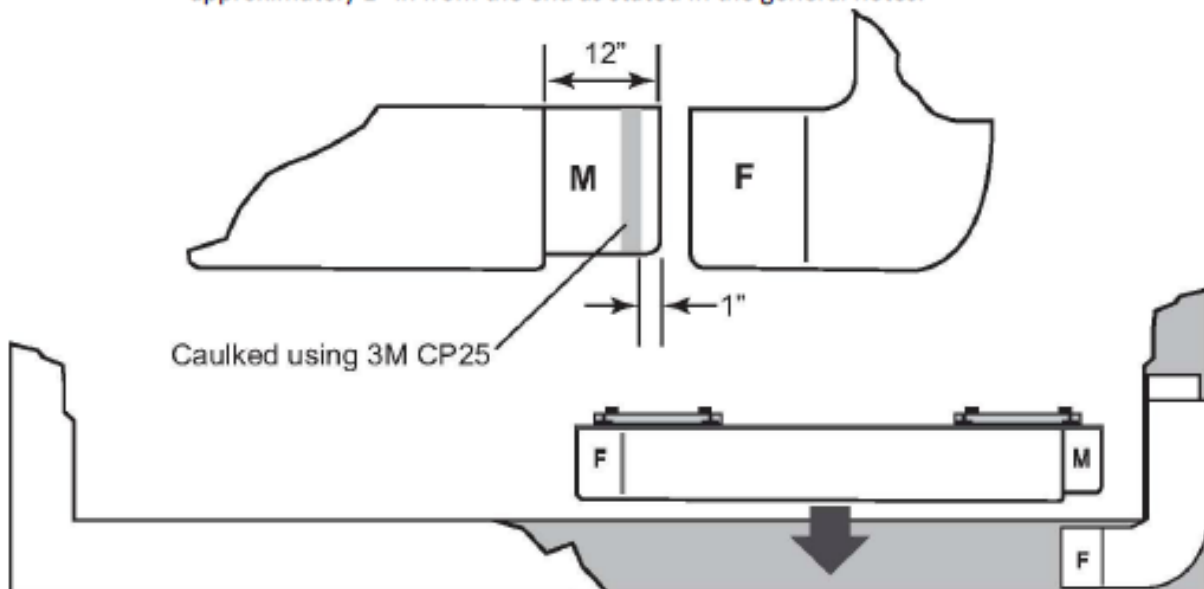
Tools

- HILTI gun or electric hammer drill

- Drill bits

- Tape measure

- Caulk gun

- Markers (for metal and concrete)

- Tin snips

- Needle nose pliers
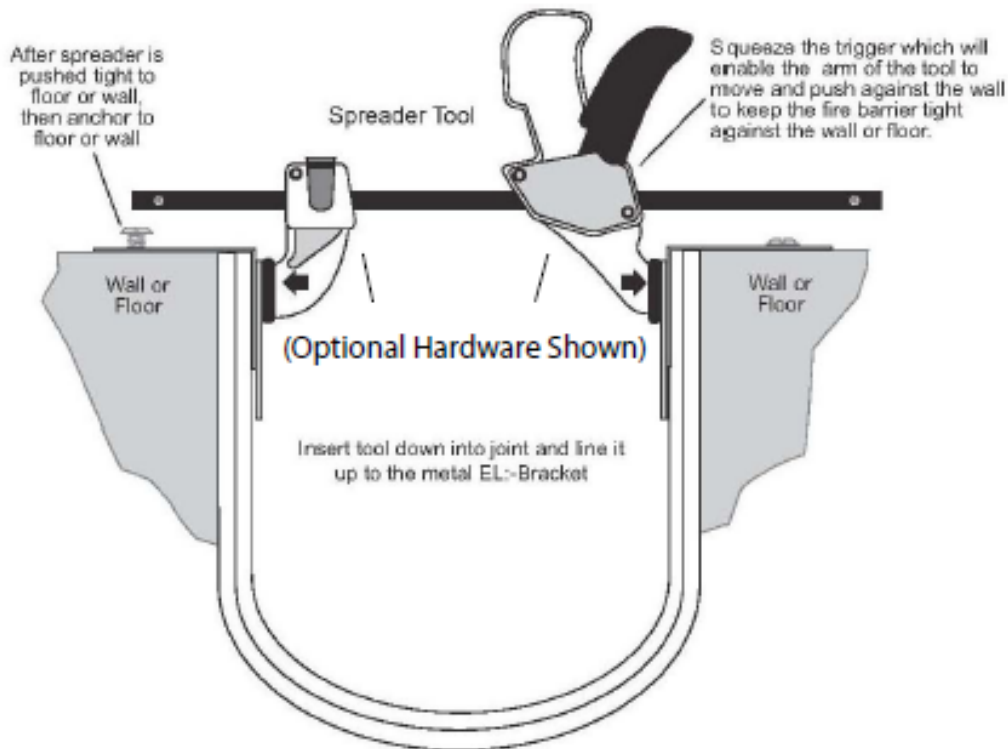
Floor-to-Floor Top Mount with pre-made 90° at Wall

Step 1: Review Fireline 520® approved shop drawings for types and locations.

Step 2: Attach one tool to each end of the 10 foot section. Tool is attached by placing pins through the L channel and through the holes on the tool. Place washers on the pins, locking them in place. The barrier is now ready to be moved to the joint for installation.
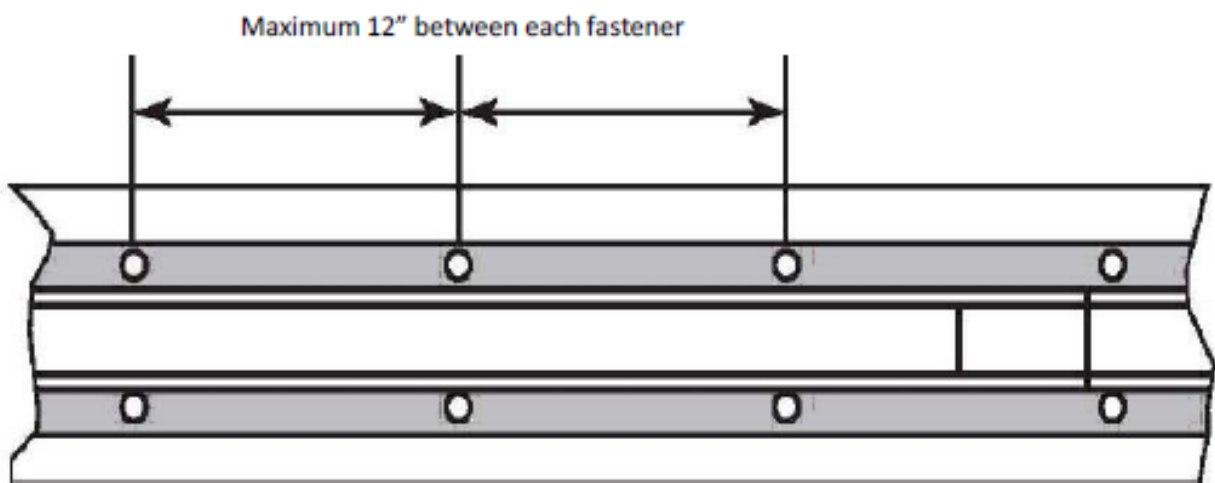
Tool

F   M

Side View

F   M

Top View

Step 3: Place the fire barrier in the expansion joint, Fireline 520® blankets have a 12" overlap on each end. One end is a male (M), while the other end is a female (F). Start at the Female end of any directional changes as they should already be installed. Put a bead of caulk approximately 1" in from the end as stated in the general notes.
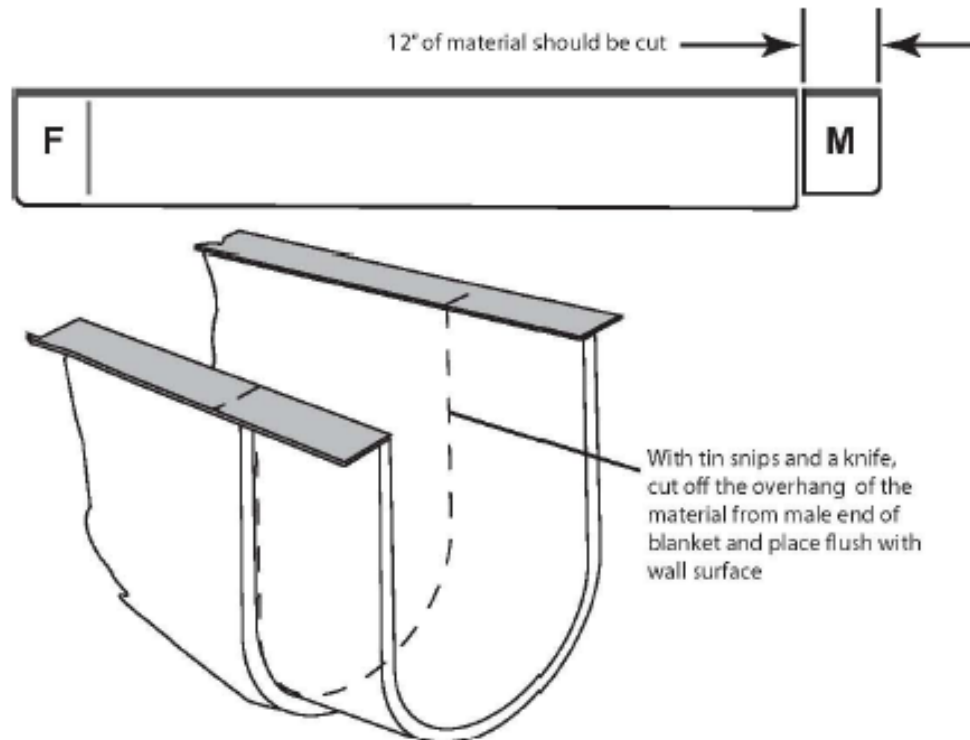
12"

M   F

Caulked using 3M CP25

1"

F   M

F

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Step 4: Slide the Male end of the straight wall section over the Female end of the last blanket. Use the reverse clamps inside the barrier to tighten the blanket to the floor. Remove the tool by using pliers to remove the washers. Cut the pin flush to the metal.
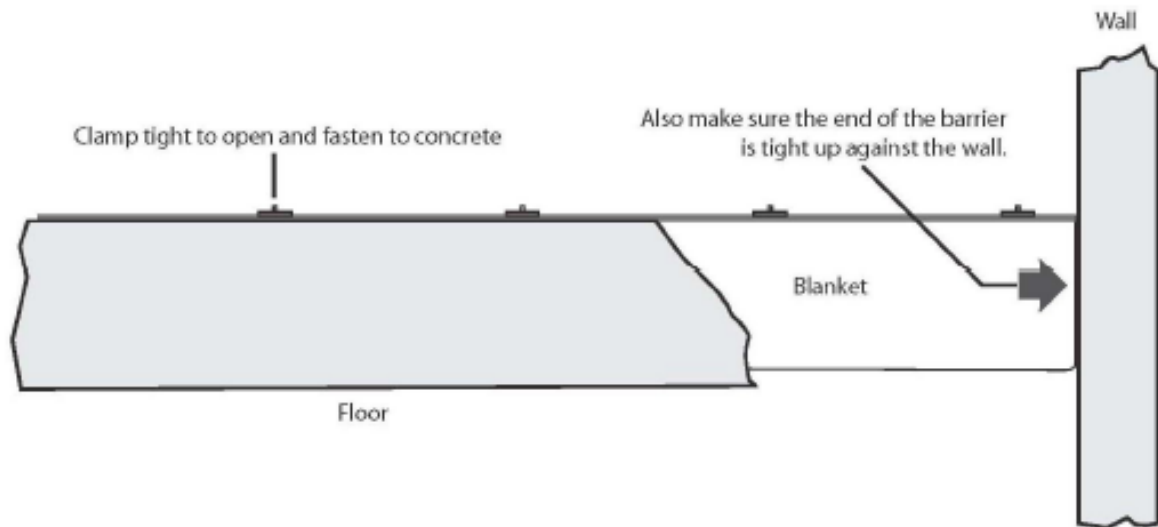
After spreader is pushed tight to floor or wall, then anchor to floor or wall

Spreader Tool

Squeeze the trigger which will enable the arm of the tool to move and push against the wall to keep the fire barrier tight against the wall or floor.

Wall or Floor

Wall or Floor

(Optional Hardware Shown)

Insert tool down into joint and line it up to the metal EL:-Bracket

Step 5: Drill appropriate size holes at a maximum distance of 12"apart. Anchor the barrier to the concrete.

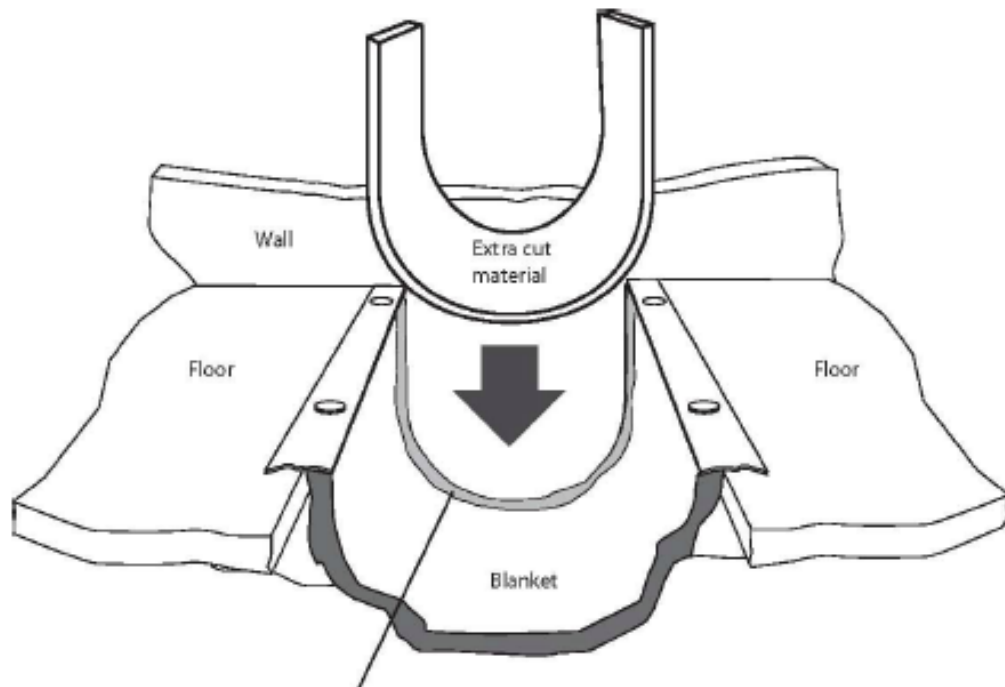Maximum 12" between each fastener

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Floor-to-Floor Top Mount with Butt End to Wall

Step 1:

12" of material should be cut

F

M

With tin snips and a knife, cut off the overhang of the material from male end of blanket and place flush with wall surface

Step 2: Place fire barrier into joint in floor and proceed to anchor fire barrier to the concrete. Use the reverse clamps to make sure the sides are tight against the floor. Also make sure the end of the barrier is tight up against the floor Drill appropriate size holes in the concrete building unit at a maximum distance of 12" apart. Anchor the barrier to the concrete.
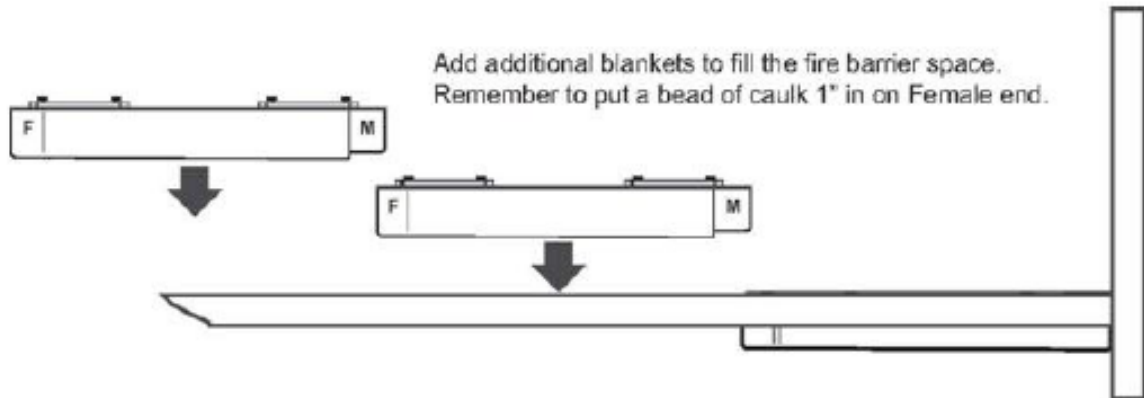
Wall

Clamp tight to open and fasten to concrete

Also make sure the end of the barrier is tight up against the wall.

Blanket

Floor

Step 3: Caulk the cut M end to the wall. Make sure there are no holes or leaks. It is estimated that the complete (entire) tube of calk is required for one end of a joint. Place the excess cut material over the caulked section.

Wall

Extra cut material

Floor

Floor

Blanket

Caulk the cut M end to the wall. Make sure there are no holes or leaks.

Right to site.

Step 4: Install the next fire barrier as described in steps 1 through 5 for Horizontal Fire Barrier Systems.

Add additional blankets to fill the fire barrier space. Remember to put a bead of caulk 1" in on Female end.

Step 5: Upon reaching the end of the expansion joint, a straight wall blanket may need to be cut in length to fit the opening. Measure from the inside of the F end of the last barrier installed to the floor. Using a new straight section, cut the section needed by first using tin snips to cut the metal and then a knife or scissors to cut the fabric. Caulk the ends of the cut section and then drop the cut section into the expansion joint opening anchor it to the floor. Caulk the end facing the wall so that there are no holes or leaks. Stuff some of the remaining material back into the hole so that it covers the caulk.

Using tin snips and knife, cut the barrier down to the appropriate size to fit into the final blanket space

Side View

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