

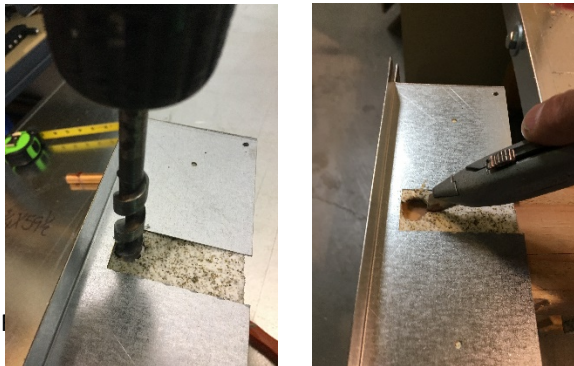


Barri-Box

Membrane Penetration Fire Shield Instillation Guide

For new or retro-fit construction:

1. Prior to mounting the box in the wall, determine the location where the supply lines will penetrate the mat, and drill a hole the same size as the O.D. of the supply line(s) (figure 1) or cut an "x" into the mat at the penetration points. For retro-fit applications, make a cut through the mat from the center of the hole to the back of the box to allow for installing over existing supply line(s) (figure 2). Fold mat back into place after installing over supply lines.



2. Install the back of the box with a minimum 2 screws per side on either the top and the bottom, or on both sides. (Installation of the back can wait to help facilitate the connections of the supply line(s) to the valve if desired).
3. Determine the desired location of the box for new construction, or slip over existing line(s) in a retro-fit application, and mount flush with the framing members, and assemble the valve and pipe connections within the box (figure 3). (**Precautions should be taken determined that the copper lines might be in contact with the box, by applying the appropriate tape, so as to eliminate possible electrolysis**)



Figure 3

4. From outside of the box, install a 1/8-inch depth of caulking to cover the mat material and 1/4 in. bead around the supply line(s) (figure 4). When PEX or PVC tubing is used, increase the bead around the supply lines to 1/2 in. (Locations where the mat has been damaged, torn, or separated during installation, patch with addition caulking the depth of the mat).



Figure 4