

Firestop and acoustical pads on electrical boxes, gas boxes, and similar penetrations are required by building codes under specific circumstances or specifications. Proper installation is critical to maintaining the intended fire-resistance rating and preventing the transfer of sound between adjacent rooms.

During inspections, verify that all pads are installed correctly, fully cover the boxes, remain intact, and are securely adhered without sagging, detaching, or leaving gaps. Any deficiencies should be corrected before concealment.

Review the installation requirements with your subcontractor and ensure they understand that all firestop and acoustical pad installations will be inspected prior to drywall installation. Proper attention to these details is essential to ensure code compliance and the overall performance of the wall assembly.

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3M Fire Barrier MPP+ Moldable Putty Pads

Installation Instructions For UL Listed Metallic and Non-metallic Outlet Boxes



Step 1: Remove liner from both sides of pad.



Step 2: UL Listed metallic or nonmetallic outlet boxes (refer to above listing)



Step 3: Starting at top, align to front edge of box and overlap onto the stud 1/2 inch (13 mm).



Step 4: Adhere remaining pad to box and cut to provide a snug fit around conduits or cables.



Step 5: Extra putty will pleat at corners after pad has been applied to surface of box.



Step 6: Trim excess putty from corners and apply it to conduit fittings or cables connected to the box. Ensure pad is pressed firmly to surface of top, back, bottom, and side of box.



- ❑ This standard includes Electrical, Gas, Etc., boxes in a rated wall.

(Although the pad might be different)

- ❑ All fire walls are required to have Putty Pads, under the following parameters:
- ❑ **16 sq. in. Rule** – A single electrical 4" x 4" box would not require a putty pad as its surface area is 16 square inches. A 4-11/16" x 4-11/16" box would require a pad.
- ❑ **100 sq. in. Rule** – Total surface area of metallic boxes must not exceed 100 sq. in. per 100 sq. ft. of wall area. Example: six (6) – 4" x 4" boxes located on the same side of a rated wall may be installed next to each other in a 100 sq. ft. of wall area as the six boxes have a cumulative area of 96 sq. in. Note, however should an additional box be added, all boxes in the defined space would require putty pad treatment as the 100 sq. in. rule would be violated. For boxes on both sides of a rated wall, see the 24 in. rule below.
- ❑ **24 in. Rule** – Metallic boxes located on opposite sides of a rated wall or partition must be separated by a minimum 24 in. horizontal separation. Anything less than this horizontal separation will require a putty pad on both boxes. Separation of boxes by a stud does not satisfy the 24 in. spacing requirement. Vertical distance is not considered for spacing.