



Fire or acoustical pads on electrical boxes, gas boxes, etc., are required under certain circumstances in the building codes. How we install these will directly affect the ability to stop fire or stop acoustical noise from transferring from one room to another. We must review the installation and make sure that the pads are fully covering the boxes, intact, not falling down, etc. Discuss the installation with your subcontractor and make sure he understands that you will be reviewing the installation prior to covering up with drywall.

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 Director of Quality Management



- ▶ 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 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.

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.