

What type of electrical distribution box doesn't need fireproof putty

Overview

Fiberglass electrical boxes are sturdy like metal boxes, don't require a putty pad to meet the 2-hour fire rating, and hold their shape on any wall stud. The Hilti CP 617 or CFS-P PA Firestop Putty Pad and Hilti Firestop Box Insert are products that are often chosen, but many times the. Electrical boxes hold wires and electrical components to keep them safe, prevent fire hazards and create a mounting fixture for the device. 21 Spread of Fire or Products of Combustion. Electrical circuits and equipment must be installed in such a way that the spread of fire or products of. These nonmetallic electrical boxes are installed as membrane penetrations through a fire-rated separation wall between two apartment units and are protected by listed putty pads. Many red tags are issued by city inspectors for electrical boxes incorrectly installed in fire rated walls, floors or. Q: What are the requirements for maintaining the fire integrity of a fire-resistive wall when installing electrical boxes?

A: According short answer is that it depends on not only the size of the individual box, but also the aggregate size of multiple outlet boxes in a given size wall. The IBC has a similar provision, although it talks about 16-square-inch boxes instead of 0.



Article Content

Jun 21, 2026

How Do Contractors Choose Electrical Boxes?

Fiberglass electrical boxes are sturdy like metal boxes, don't require a putty pad to meet the 2-hour fire rating, and hold their shape on any wall stud. They are also the go-to electrical box for ...

Nov 01, 2025

NEC Questions and Answers, based on the 2020 NEC

Outlet boxes must have a horizontal separation of not less than 24 in. when installed on opposite sides in a fire-rated assembly, unless an outlet box is listed for closer spacing or protected ...

Nov 13, 2025

Fire-Resistive Walls and Electrical Boxes

Since the typical installation of an electrical box only impacts one side of the partition, special firestop details may not be needed. In many cases the individual boxes are covered with what might appear ...

Jul 20, 2026

Understanding Firestopping for Electrical Penetrations

Are firestop putty pads sufficient for all electrical box penetrations? No. Firestop putty pads are designed for specific membrane penetration firestop applications, ...

Mar 23, 2026

Firestop Putty Pads – When, Where and How to Use Them

Putty pads are designed to be applied to the external surfaces of metallic and nonmetallic switch and receptacle boxes in some rated wall conditions. We also have used putty pads in a few ...

Jan 23, 2026

Protecting Recessed Boxes in Fire-Resistive Construction

Metallic boxes are never listed to fire-resistance requirements Nonmetallic boxes are always required to be listed to fire-resistance requirements Listed boxes and listed protection materials shall be installed ...

Oct 15, 2025

Puddy Pad on 4x4 Electrical Boxes per NFPA 101?

Essentially I've come across three practical options with 101 and IBC, which includes using a backbox which is (1) tested/listed for use in fire-resistive construction, (2) separated by 24 ...

Jan 06, 2026

Guide for Protection of Recessed Boxes in Fire-Rated Walls

Most non-metallic electrical boxes Certified for use in fire rated walls require 24" horizontal separation between boxes on opposite sides of a wall if they are not protected with putty pads.

Jan 15, 2026

Membrane Penetrations and Electrical Boxes.

These nonmetallic electrical boxes are installed as membrane penetrations through a fire-rated separation wall between two apartment units and are protected by listed putty pads.

Jul 30, 2025

Protecting Recessed Boxes

Metallic boxes are never listed to fire-resistance requirements Nonmetallic boxes are always required to be listed to fire-resistance requirements Listed boxes and listed protection ...

Sep 16, 2025

Understanding Putty, Pads, And Box Inserts

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Sep 07, 2025

Electrical Boxes/Rated Wall

Metal and plastic device boxes are not required to have the putty packs as they are rated and listed for 2 hours (at least on the ones I investigated). The only time the packs might be required ...

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