ALLIED MOULDED PRODUCTS, Inc.

MADE IN USA

B2B BACK TO BACK

Frequently Asked Questions

Allied Moulded fiberglassBOX™ Products Back-to-Back Rating in Fire Resistance Rated Walls.

1 *In what type of construction would this rating apply?*

Allied Moulded **fiberglassBOX** products that meet the **back-to-back** rating can be used in 2 HR rated, fire resistance walls constructed of minimum, single 2x6 wall construction (5½" cavity depth min.) where non-metallic sheathed cable is used and walls that are constructed of wood and/or non-load bearing steel stud designs, and gypsum can be placed directly behind (**back-to-back**) another Allied Moulded **fiberglassBOX** listed product in the same stud cavity.

2 *What models are covered in the back-to-back rating?*

All nail tang, nail up and SS (screw) models of series: 1096, 1098, 1099, 9327, 9372, 2300, 2302 (additionally HNKV2), RD-42, 9343, 3300, 3303, 4300, 4304, 5305, 9336 (additionally HNK & HNGK), 9335 (additionally HNK & HNGK), 9365, 9350 (HNK & HNKV2), 9351, and 9352

3 *Do you have to caulk the knockouts that are penetrated by the wire?*

Allied Moulded **fiberglassBOX** **back-to-back** listed products were tested with non-metallic sheathed cable installed. No caulk is necessary where knockouts are penetrated by the non-metallic sheathed cable.

4 *If I accidentally open a knockout I do not need, do I need to caulk it?*

The NEC (National Electrical Code) requires all unused, open knockouts to be closed. Allied Moulded's Speed "K" Klamp™ (the black clamp in the bottom of the box) is an accepted means of closing the knockout opening. Open, unused knockouts in the box without Speed "K" Klamps™ will need to be closed with an approved method.

5 *What if I'm using an Allied Moulded fiberglassBOX whose part number, base model isn't listed above? What classification does that box have?*

If an Allied Moulded **fiberglassBOX** electrical box is being used and you can't find the base part number in question #2, it is not classified for **back-to-back** application without an acceptable means of fireblocking.

6 *Are you saying a five-gang box can now be used in the same stud cavity, and back-to-back with another five-gang box and no putty pad is needed?*

The short answer is, yes! Allied Moulded Products is boldly going where no USA electrical box manufacturer has gone before. Allied Moulded Products, along with UL, has tested up to, two, five gang, **fiberglassBOX** electrical outlet boxes in the same stud cavity, directly behind each other with 2x6 min. (5/1/2" cavity depth) and passed the UL testing requirements for a two hour (2 HR), fire rated wall!

7 *Can you help me understand what type of installation would ever see this type of electrical box setup?*

Allied Moulded **fiberglassBOX** electrical outlet boxes are a great solution for any of your electrical outlet box needs. This rating will be extremely useful in all installations, but even more specifically, installations like multi-family dwellings (apartments, duplexes, etc.) where the architect wants to mirror a kitchen, living room, utility room, etc.! This rating now allows users to install Allied Moulded **fiberglassBOX** electrical outlet boxes with no putty pads, **back-to-back**, in minimal 2x6 (5½" deep) construction where non-metallic sheathed cable is used and walls are constructed of wood and/or non-load bearing steel studs and gypsum.

8 *How is Allied Moulded able to do this, this has never been allowed before?*

Allied Moulded Products thrives on innovation! Our family-owned, made in the USA, patented fiberglass formula has evolved over the years of listening to what customers need out of their electrical outlet boxes.

9 *What if I have staggered 2x4 studs, can a five gang still be placed in the same stud cavity?*

This is a great question that we've received throughout the country. The main ingredient for acceptance is a minimally deep cavity and a 2HR fire rating. On a 2x6 stud, that is 5½" for the cavity depth. Two, 2x4 staggered stud walls will be minimally 7" of depth so yes, 2x4 staggered studs can use up to a five gang Allied Moulded **fiberglassBOX** electrical outlet box in the same stud cavity and have some overlap **back-to-back**.

10 *If I have a single 2x4 stud wall, can I put Allied Moulded fiberglassBOX back-to-back?*

The testing and certification that Allied Moulded **fiberglassBOX** electrical outlet boxes pass is on a 2HR rated, single 2x6 minimum wall design. A single 2x4 wall will not provide the minimally required 5½" cavity depth.

11 *How much money can this rating save me on a 50-unit apartment complex?*

This is a tough question as there are so many variables. Let's look at a high-level example: If you have 50 units and they share a kitchen, demising wall, you can conservatively say you have three outlet boxes per wall that will be **back-to-back**. If you install a $5 putty pad for each instance, that's six putty pads per shared kitchen wall. Just one wall would then cost you $30 extra. The entire project, just for a shared kitchen wall, will be an extra $750 spent on putty pad materials. Additionally, you'll need to add the time and labor costs to put those pads on.