

The Original flexBOX® Vapor Seal® Single Gang

High Efficiency Nonmetallic Air-Sealed Electrical Box

Vapor Seal® products provide a solution to prevent air infiltration/air leakage on exterior walls where openings for electrical switch and receptacle boxes are required.

Vapor Seal®: Material & Labor Saving Features

With innovative products designed for the electrical contractor, Allied Moulded offers a complete line of wall and ceiling boxes for use in energy efficient homes to aid in sealing up the exterior walls per construction methods outlined in the International Energy Conservation Code and the NEMA OS4 Standard.



P-221NV

Vapor Seal® Air-Sealed Electrical Boxes

Residential Building Envelope Tightness

One of the main components affecting residential construction changes is "Air Leakage" in the building envelope. The IECC mandates building envelopes to be:

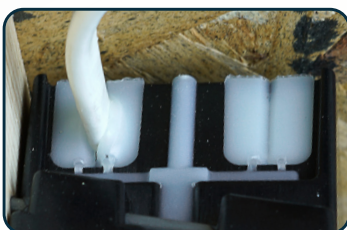
- Sealed with caulking materials or...
- Closed with gasket systems
- Joints and seams sealed or taped or covered with a moisture vapor-permeable wrapping material

Areas for Air Leakage/Infiltration in Residential Building Envelopes

One of the main areas being addressed is the electrical wiring box penetrations (switches and receptacles). Boxes must be properly insulated around and behind along with openings being sealed/caulked closed and must be sealed to drywall and any vapor barrier system.

Self-Sealing Elastomeric Knockouts

- Remove wiring and keep efficiency
- No need to caulk punchouts
- Easy to push wire through



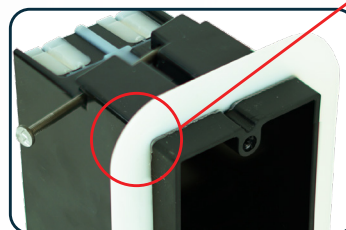
Wire Installed



Wire Removed

Patent Pending Tapered Flange Design

- Air-tight seal against vapor barrier/drywall without the need for additional adhesive
- Creates seal between drywall and wall stud



Tapered Flange Design for adhesive-free fit.

The Newest Additions to the flexBOX® Vapor Seal® Line!

Sealed clamps
means no caulk
or additional
sealing!



2-Gang Box
P-442NV

4" Round Fixture Support Boxes

PC234-NV

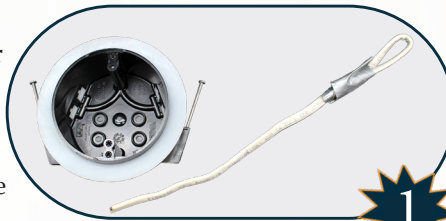
PC234-BHV

PC234-NVG

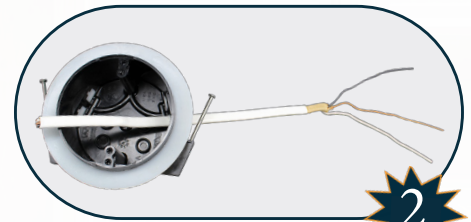
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Vapor Seal® Wire Installation

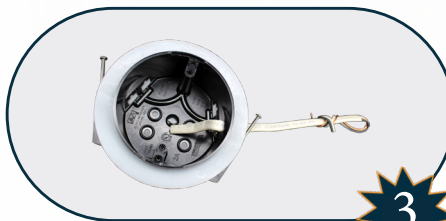
1. Prepare the conductors to enter the box per NEC.
2. Insert the conductors from the outside of the box into the appropriate clamp until the outer jacket extends at least 1/2" past the sealing material.
3. Run wire along inside wall and create 180° bend and then run wire to base of part.
4. Pull wire from outside of box to ensure clamp engagement.



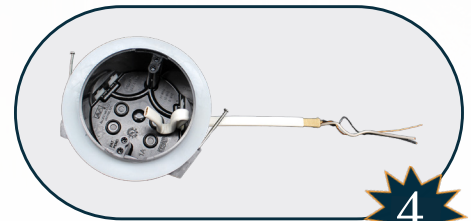
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Vapor Seal® electrical boxes aid in gaining an Energy Star Rating