

The Original flexBOX® Vapor Seal® Single Gang

P-221NV



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 402.4 of the 2018 International Energy Conservation Code and the OS4* Standard.

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 2018 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

Patent Pending Tapered Flange Design

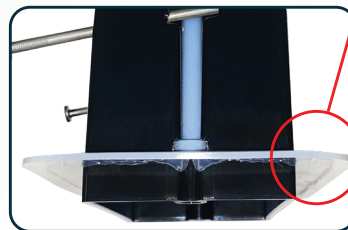
- Air-tight seal against vapor barrier/drywall without the need for additional adhesive
- Creates seal between drywall and wall stud



Wire Installed



Wire Removed



Tapered Flange Design for adhesive-free fit.

