

Vapor Seal®

NONMETALLIC AIR-SEALED WALL & CEILING BOXES

Vapor Seal® products deliver an industry-leading solution to prevent air leakage on barrier walls.




**ALLIED
MOULDED
PRODUCTS, Inc.**

Vapor Seal®



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Vapor Seal® products are designed to block air leaks around electrical switch and outlet boxes in exterior walls. They exceed NEMA OS4 standards and provide superior sound insulation with a minimum STC rating of 54 dB. Many fiberglass versions now allow for back-to-back installation. 



P-221NV



P-442NV



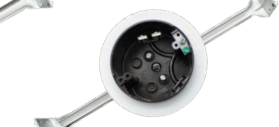
PC234-NV



PC234-NGV



PC234-BHV



PC234-BHGV

Vapor Seal flexBOX®	Cu. In. Volume	Catalog Number	Component Description	Exterior Dim. (min. flange dim.)			Wall Substrate Offset	UPC# 85339	Std. Pkg. Qty.	Std. Wt. (lb.)
				D	W	H				
	22.0	P-221NV	Single gang electrical box with Vapor Seal® flange for use with nonmetallic sheathed cable	3- ²⁹ / ₆₀	2- ¹ / ₄ (3- ¹ / ₂)	3- ¹⁷ / ₂₀ (5- ¹ / ₁₀)	1/2 - 5/8	84976	48	13
43.0	P-442NV	Two gang electrical box with Vapor Seal® flange for use with nonmetallic sheathed cable	3- ¹⁴ / ₂₅	3- ³ / ₄ (5)	4 (5- ¹ / ₄)	1/2 - 5/8	88257	32	17	

Vapor Seal® flexBOX® Round Fixture Support	Cu. In. Volume	Catalog Number	Component Description	Exterior Dimensions (flange dim.)		Ceiling Substrate Offset	Fixture Rating	UPC# 85339	Std. Pkg. Qty.	Std. Wt. (lb.)
				D	W					
	23.0	PC234-NV	4" dia. round VaporSeal® fixture support box for use with nonmetallic sheathed cable, aid in gaining Energy Star Rating	2- ⁵ / ₁₆	4 (5- ¹ / ₂)	1/2 - 5/8	50 lb.	88479	48	12
23.0	PC234-NGV	4" dia. round VaporSeal® fixture support box with a grounding strap for use with nonmetallic sheathed cable, aid in gaining Energy Star Rating	2- ⁵ / ₁₆	4 (5- ¹ / ₂)	1/2 - 5/8	50 lb.	89773	48	12	
23.0	PC234-BHV	4" dia. round VaporSeal® fixture support box for use with nonmetallic sheathed cable, aid in gaining Energy Star Rating	2- ⁵ / ₁₆	4 (5- ¹ / ₂)	1/2 - 5/8	50 lb.	89353	18	12	
23.0	PC234-BHGV	4" dia. round VaporSeal® fixture support box for use with nonmetallic sheathed cable with grounding strap, aid in gaining Energy Star Rating	2- ⁵ / ₁₆	4 (5- ¹ / ₂)	1/2 - 5/8	50 lb.	89360	18	12	



1099-NV



1099-NV2



2302-HNKV2



2302-NKV



RD-42V












3303-NKV



4304-NKV



5305-NBKV

Vapor Seal® Switch or Receptacle Boxes	Cu. In. Volume	Catalog Number	Component Description	Exterior Dim. (min. flange dim.)			Wall Substrate Offset	UPC# 85339	Std. Pkg. Qty.	Std. Wt. (lb.)
				D	W	H				
	22.5	1099-NV	 Single gang box with Vapor Seal® flange, angled mid-nails, knockouts	3- ⁹ / ₁₆	2- ¹ / ₄ (3- ¹ / ₂)	3- ²⁷ / ₃₂ (5)	1/2 - 5/8	26007	48	21
22.5	1099-NV2	 Single gang box with Vapor Seal® flange, angled mid-nails, knockouts, for use in double 5/8" drywall applications	3- ⁹ / ₁₆	2- ¹ / ₄ (3- ¹ / ₂)	3- ²⁷ / ₃₂ (5)	1 - 1- ¹ / ₄	26015	48	21	
37.0	2302-HNKV2	 Two gang box with Vapor Seal® flange, "HN" hanger, Speed Klamps™ - factory installed, knockouts, for use in double 5/8" drywall applications	3- ⁷ / ₁₆	4 (5- ¹ / ₄)	3- ³ / ₄ (5)	1 - 1- ¹ / ₈	92711	6	6	
37.0	2302-NKV	 Two gang box with Vapor Seal® flange, angled mid-nails, Speed Klamps™ - factory installed	3- ⁷ / ₁₆	4 (5- ¹ / ₄)	3- ³ / ₄ (5)	1/2 - 5/8	13077	48	33	
42.0	RD-42V	 Range/dryer receptacle box, fetter ring nails, clamp for #6/#8 AWG - factory installed	3- ¹³ / ₁₆	4 (5- ¹ / ₄)	3- ³ / ₄ (5)	1/2 - 5/8	12906	24	23	
56.5	3303-NKV	 Three gang box with Vapor Seal® flange, angled mid-nails, Speed Klamps™ - factory installed	3- ⁹ / ₁₆	5-11/16 (7)	3- ³ / ₄ (5)	1/2 - 5/8	15209	18	17	
75.0	4304-NKV	 Four gang box with Vapor Seal® flange, angled mid-nails, Speed Klamps™ - factory installed	3- ⁹ / ₁₆	7- ¹ / ₂ (8- ³ / ₄)	3- ³ / ₄ (5)	1/2 - 5/8	17558	18	22	
94.0	5305-NKV	 Five gang box with Vapor Seal® flange, angled mid-nails, Speed Klamps™ - factory installed	3- ⁹ / ₁₆	9-5/16 (10- ¹ / ₂)	3- ³ / ₄ (5)	1/2 - 5/8	18011	6	9	
94.0	5305-NBKV	 Five gang box with Vapor Seal® flange, angled mid-nails, stabilizer bar, Speed Klamps™ - factory installed	3- ⁹ / ₁₆	9-5/16 (10- ¹ / ₂)	3- ³ / ₄ (5)	1/2 - 5/8	18012	6	11	



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flexBOX



9335-BHKV2

9335-HNKV2

9350-BHKV

9350-BHGKV

9350-BHKV2

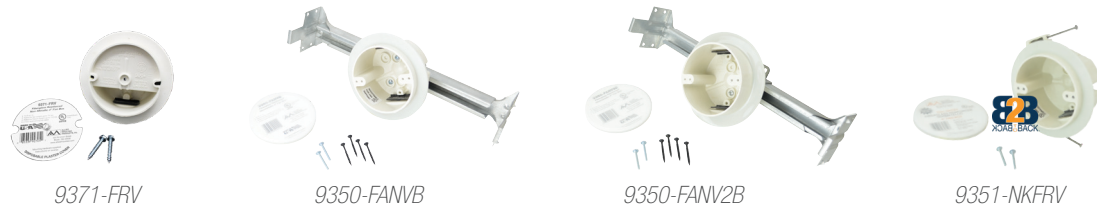
9350-HNKV2

9351-NKV

9351-NGKV

Vapor Seal® Round Fixture Support

Cu. In. Volume	Catalog Number	Component Description	Exterior Dimensions (flange dim.)		Ceiling Substrate Offset	Fixture Rating	UPC# 85339	Std. Pkg. Qty.	Std. Wt. (lb.)
			D	W					
20.5	9335-BHKV2	3-1/2" dia. fixture box with Vapor Seal® flange, 16" to 24" adjustable bar hanger, Speed Klamps™ - factory installed, for use in double 5/8" drywall applications	2-15/16	3-1/2 (4-3/4)	1 - 1-1/4	50 lb.	88125	18	25
20.5	9335-HNKV2	3-1/2" dia. fixture box with Vapor Seal® flange, "HN" hanger, Speed Klamps™ - factory installed, for use in double 5/8" drywall applications	2-15/16	3-1/2 (4-3/4)	1 - 1-1/4	50 lb.	88126	50	33
22.5	9350-BHKV	4" dia. fixture box with Vapor Seal® flange, 16" to 24" adjustable bar hanger, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	50 lb.	88124	18	26
22.5	9350-BHGKV	4" dia. fixture box with Vapor Seal® flange, with Ground Strap, 16" to 24" adjustable bar hanger, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	50 lb.	99092	18	26
22.5	9350-BHKV2	4" dia. fixture box with Vapor Seal® flange, 16" to 24" adjustable bar hanger, Speed Klamps™ - factory installed, for use in double 5/8" drywall applications	2-7/16	4 (5-1/4)	1 - 1-1/4	50 lb.	10484	18	26
22.5	9350-HNKV2	4" diameter fan box with Vapor Seal® flange, "HN" hanger, Speed Klamps™ - factory installed, for use in double 5/8" drywall applications	2-7/16	4 (5-1/4)	1 - 1-1/4	50 lb.	10485	50	33
22.5	9351-NKV	4" diameter fan box with Vapor Seal® flange, fetter ring nails, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	50 lb.	65811	48	27
22.5	9351-NGKV	4" diameter fan box with Vapor Seal® flange, fetter ring nails, with Ground Strap, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	50 lb.	99093	48	27



9371-FRV

9350-FANVB

9350-FANV2B

9351-NKFRV

Vapor Seal® Fan & Fixture Support

Cu. In. Volume	Catalog Number	Component Description	Exterior Dimensions (flange dim.)		Ceiling Substrate Offset	Fan Rating	Fixture Rating	UPC# 85339	Std. Pkg. Qty.	Std. Wt. (lb.)
			D	W						
12.0	9371-FRV	4" diameter pan fan box with Vapor Seal® flange, 1/2" deep pan, Speed Klamps™ - factory installed	2-7/8 overall	4 (5-1/4)	1/2 - 5/8	70 lb.	110 lb.	92705	24	10
22.5	9350-FANVB	4" diameter fan box with Vapor Seal® flange, bar hanger, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	35 lb.	50 lb.	99022	18	31
22.5	9350-FANV2B	4" diameter fan box with Vapor Seal® flange, bar hanger, Speed Klamps™ - factory installed, for use in double 5/8" drywall applications	2-7/16	4 (5-1/4)	1 - 1-1/4	35 lb.	50 lb.	99023	18	31
22.5	9351-NKFRV	4" diameter fan box with Vapor Seal® flange, fetter ring nails, Speed Klamps™ - factory installed	2-7/16	4 (5-1/4)	1/2 - 5/8	35 lb.	50 lb.	65810	48	28

Vapor Seal® Air-Sealed Electrical Boxes

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 NOW* fiberglass nailed products can be placed back-to-back in minimum 5 1/2" deep stud cavity.*

Flexible Polyurethane Flange
Patented flange products "V" are for single drywall and "V2" are for double drywall applications.

"V"
"V2"

2-Hour Fire Rating & UL Listed
Easy for contractors and inspectors to locate and identify.

Nonmetallic Speed "K" Klamps™
Dependably secure wire in a fiberglassBOX™.

Knockouts
Fiberglass boxes are complete, reducing drafts and easily removed with wire for no-tool installation.

Tapered and Machine Tapped Device Holes
Allows for a quicker fiberglassBOX™ installation.

Cubic Inch Capacity Marking
Easy for contractors and inspectors to locate and identify.

Leveling Ribs
Helps to position the face of the box parallel to the wall surface.

Thermoplastic Polyester Elastomer (TPE) Flange
Angled flange for single drywall applications.

Elastomeric Knockouts
flexBOX® has self-sealing elastomeric knockouts for the P-221, making it an easy wire installation where no caulk or wire clamps are needed.

Elastomeric Clamp
flexBOX® has self-sealing elastomeric clamps for PC234 & P-442, making it an easy wire installation where no caulk or wire clamps are needed.

Bright Common Nails
Fits securely in specially designed supports and angled for easy installation.

Molded-in Spined Device Holes
Allows for a quicker flexBOX® installation.

Vapor Seal®: Installation Instructions

These instructions are recommended for the installation of Allied Moulded Vapor Seal® boxes, which provide a closed penetration, meeting requirements outlined in the IECC.



- 1 Electrical Box Mounting**
- Locate desired mounting position
 - Position Vapor Seal® box flat against front face of stud
 - Secure box to stud with nails or screws



- 2 Electrical Box Wiring**
- Rough in electrical wiring per local code



- 3 Sealing the Box**
- When using larger than 14/3 non-metallic sheathed cable, all fiberglass penetrations must be closed with an acceptable sealing material



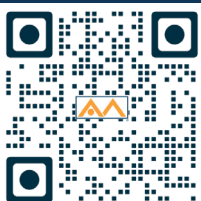
- 4 Insulation**
- Sealed clamps means no caulk or additional sealing when using our flexBOX®
 - Install insulation in wall or ceiling cavities
 - Apply vapor barrier and wall/ceiling substrate as applicable

Fire-Rated Innovation: Back-to-Back Box Installation Made Simple



Allied Moulded fiberglassBOX™ products are UL-rated for back-to-back installation in 2x6 fire-rated walls—eliminating the need for putty pads, saving time and cost.

Note: Allied Moulded Vapor Seal® boxes exceed requirements against air leakage in exterior walls per NEMA (National Electrical Manufacturers Association) OS4 standards.



Scan to learn more about Vapor Seal®

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