

WPSTM
WATER PROTECTION SYSTEM

PRODUCT GUIDE

 **PEMKO**
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Pemko Manufacturing, the recognized leader in weather protection for more than fifty years, is proud to introduce its latest innovation - the **440 Series Water Protection System™ (WPS™) door sill**.

Architects, builders and homeowners alike have long faced the threat of expensive structural water damage during heavy storm periods. When wind and rain attack an entryway, the collected water can wreak havoc upon doors, jambs, floors, walls and foundations. Until now, there has been no truly satisfactory solution to this problem.

Pemko presents the innovative 440 Series Water Protection System door sill...

Exact Development with Revolutionary Results

Pemko has invested years of research and engineering into its ingenious new sill design. Pemko's Water Protection System is 100% leak-proof, rot-proof and maintenance-free. The WPS sill eliminates water infiltration at the points where traditional door jambs and door sills meet, keeping the structure dry and damage-free. The complete WPS system has been thoroughly tested to surpass these portions of AAMA/WDMA/CSA 101/I.S.2/A440-05 Standards:

- Air Infiltration Rating per E 283 - 0.30 scfm/sqft (measured 0.15 to 0.17 scfm/sqft);
- Operational Force to Latch 15 lbs (measured 12 to 15 lbs); and
- Water Penetration Test E547 2.9 psf/.56"wc/140Pa (passed 4.1psf/.80"wc/200Pa).

(System results were achieved using WPS components (4404_36, Q108, P112, 210_VE and 315_N) in a 3070 residential steel door and wood frame assembly).

Best of all, the WPS is extremely cost-efficient to purchase and install. It utilizes industry standard components and can be used in conjunction with any type of entry door and frame system. The WPS can also be trimmed to size, making it ideal for retrofitting existing door and frame assemblies.

bringing breakthrough weather protection technology right to your doorstep!

Harnessing Wind to Capture Water

A common problem for entryways is high-velocity, wind-driven rain which is forced into corners where door, frame and sill meet. The WPS sill's patent-pending pressure equalization technology actually uses the wind's natural pressure to redirect water before it can collect and cause costly damage. As rainwater accumulates near the door opening, the WPS sill collects the water on the underside of the door. The wind's natural air pressure forces the water collected in the pan system under the sill, where specially designed redirection chambers route the water back out to the front side of the sill — and safely away from your doorway.

Advanced Applications for a Guaranteed Seal

The WPS sill utilizes double-sided fusion bond adhesive tape, an exclusive advanced application technology, to affix its vertical endplates. A specially formulated blend of molded elastomeric resins bonded to mixed polymers, fusion tape is guaranteed never to harden or lose its aggressive adhesion and to always maintain a uniform thickness across the entire application.

Fusion tape creates a seal that is permanent, yet remarkably easy to apply. Endplates are supplied loose with the fusion tape pre-applied to one side. Simply cut the sill to the proper size, peel off the tape's backing and screw the plates to the sill. The fusion tape instantly bonds to the surface for a clean, continuous weld between the sill edge and endplates, eradicating even the smallest opportunity for leakage.

Whether you're designing an entire development or retrofitting a single residence, it pays to put Pemko protection to work for you!



It's not just about liability - it's about quality.

As a building professional, you know that the success of your business depends on the durability of the structures that you design and/or construct. Shouldn't you take every necessary step to protect structural integrity, preserve appearance and eliminate costly legal and warranty susceptibilities?

Water damage accounts for billions of dollars in structural repair expenses every year. Pemko had this fact foremost in mind when creating the WPS door sill. Installation of the WPS system entirely prevents accumulated water from ruining doors, sills, jambs, and foundations - and protects the expensive floors and furniture inside from water infiltration. Your entryways are protected from water invasion; your company benefits from significant savings in repair materials, callback labor, insurance payouts and aggravation.

Smart builders worldwide choose this AAMA/WDMA/CSA-tested door sill, proven to stop water infiltration, as tested—the Pemko Water Protection System.

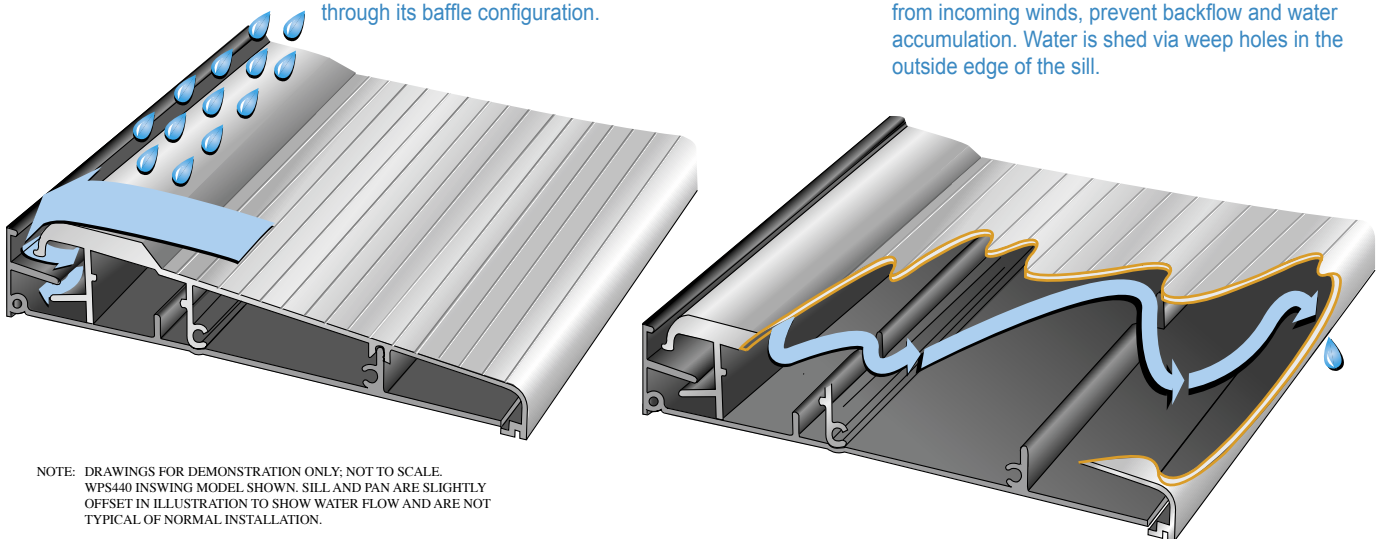
Top-flight technology, proven protection!

How the Water Protection System™ Works

Innovation backed by rigorous testing allows Pemko to present this long-awaited answer for defending entryways exposed to wet-weather conditions. Rain, snow and sleet are directed inside the WPS' vinyl pan by the very winds that drive them and the moisture is channeled safely away from damage-prone doorways.

Rain is blown into the door opening; some water may flow under the door. The rear of the WPS sill collects the water and directs it downward through its baffle configuration.

Water is then forced through the WPS' specially designed redirection chambers. These offset channels, combined with natural air pressure from incoming winds, prevent backflow and water accumulation. Water is shed via weep holes in the outside edge of the sill.



NOTE: DRAWINGS FOR DEMONSTRATION ONLY; NOT TO SCALE. WPS440 INSWING MODEL SHOWN. SILL AND PAN ARE SLIGHTLY OFFSET IN ILLUSTRATION TO SHOW WATER FLOW AND ARE NOT TYPICAL OF NORMAL INSTALLATION.

WPS Key Features

- 1. Fusion Tape for Easy Installation and a Perfect Seal** ▶ The WPS' vertical endplates come with pre-applied fusion bonding adhesive tape to form a faultless "weld" in two easy steps. Simply peel off the backing and screw the endplates to the sill.
- 2. Water Redirection Using Pressure Equalization** ▶ The WPS' patent-pending vinyl water return sill pan and extruded aluminum sill with 5-degree slope utilize pressure equalization technology to keep rainwater from accumulating on the interior of the door opening.
- 3. Custom Fitted Jamb Boots** ▶ Jamb boots conform to the slope and shape of the inswing WPS sill – a straight cut on the jamb itself is all that's needed for a perfect fit.
- 4. Seamless Integration with Other Pemko Products** ▶ Use the WPS in conjunction with the Pemko residential door shoes shown on Page 12 to form a shield against water infiltration.
- 5. Completely Customizable Sizing Capability** ▶ The WPS sill can be easily trimmed to size in your shop, or sills can be custom made to order by the Pemko factory.
- 6. Works for All Door Configurations** ▶ The WPS is available for single, double or door/sidelite combinations.
- 7. Surpasses Water and Air Infiltration Standards** ▶ The WPS has been rigorously tested and passes these portions of AAMA/WDMA/CSA 101/I.S.2/A440-05 Standard:
 - Air Infiltration Rating per E 283 – 0.30 scfm/sqft (measured 0.15 to 0.17 scfm/sqft)
 - Operational Force to Latch 15 lbs (measured 12 to 15 lbs)
 - Water Penetration Test E 547 2.9 psf/.56"wc/140 Pa (passed 4.1 psf/.80"wc/200 Pa)
- 8. Available In Special Finishes To Match Your Installation** ▶ The WPS is available in many popular standard finishes to match your installation. Additional custom finishes are also available; added cost and lead times may apply. Please consult Pemko for pricing and lead times.
- 9. Sills Include All Parts and Hardware** ▶ Every WPS kit includes all the necessary components and fasteners to completely assemble the sill prior to installation.

Important Considerations

- 1. Rough Openings** ▶ When working with the WPS system, the width and height of YOUR ROUGH OPENING DOES NOT CHANGE! Please follow industry standards for rough openings. Pemko suggests 2-1/2" over nominal door size in width and 3" in height.
- 2. Net Door Size(s) and Sidelite Sizes** ▶ Pemko builds all sills for sidelites, based on using back-to-back jambs. Depending upon the configuration of your door frame, you must specify the corresponding dimensions as labeled on Pages 13-14 (if necessary). All custom-order sills must be accompanied by a signed order form. Pemko takes no responsibility for customer errors.
- 3. Non-Net Size Sills** ▶ Non-net sills up to 48" are shipped with a 2-inch length overage (*Example: a 36" non-net sill is actually 38" long*) and must be cut to size. Non-net sills above 48" are shipped with a 3-inch length overage. If you require an exact net size, please use the order sheet (Pages 13-14).
- 4. Sidelite Units and Double Door Units** ▶ ***If additional mullion width is required, YOU MUST USE PAGES 13-14 TO SPECIFY DIMENSIONS.***
Customers are responsible for providing Pemko with accurate net-frame-opening dimensions for all double door units. That dimension must include the astragal and any and all necessary gaps.
NOTE: ASTRAGAL PRICE IS NOT INCLUDED IN THE COST OF WPS KITS!

WATER PROTECTION SYSTEM 4404

INSWING FOR 2x4 WALL • 4-9/16" JAMB



STANDARD DOOR SIZES:

WPS4404A - 36" to 144"

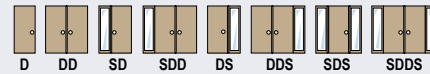
WPS4404BDG

WPS4404D

WPS4404SN

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS4404 is available for these configurations:



AVAILABLE FINISHES:

- Mill Finish Aluminum (**A**)
- Bright Dip Gold Anodized Aluminum (**BDG**)
- Dark Bronze Anodized Aluminum (**D**)
- Satin Nickel Anodized Aluminum (**SN**)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

4404 INSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- Vinyl thermal barrier water return pan.
- Injection-molded jamb boots (conform to sill profile); available in white (W) or black (B).
- Endplates using fusion bonding adhesive sealing tape.
- Stainless steel screw packs (to attach door jambs to the endplates).
- Foam insert (stops water from entering sill through the sides).
- Sill and pan sold together as a unit only; not available for separate order.

WPS4404 SYSTEM INCLUDES :

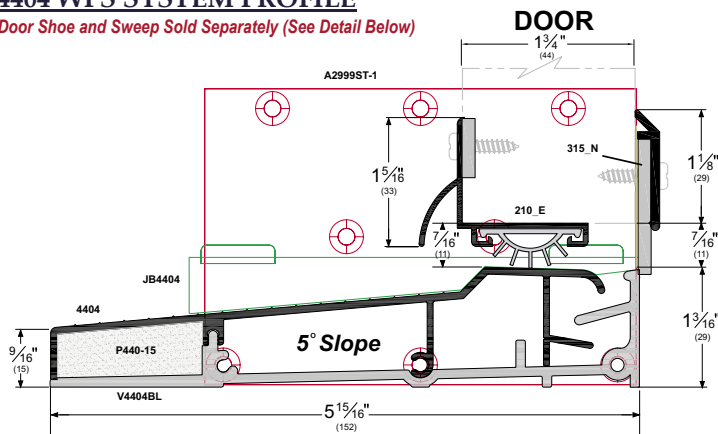
- **4404 Sill Extrusion**
- **V4404BL Vinyl Pan**
- **JB4404_L / JB4404_R Jamb Boots (2)**
Specify White (W) or Black (B) finish Jamb Boots
- **A2999ST-1 End Plates (2)**
- **P440-15 Foam Insert (2)**

SOLD SEPARATELY :

- **Perimeter Gasketing (Q108** - shown above)
- **Door Shoe (210_E** shown above. Refer to Page 12 for additional options.)
- **Door Sweep (315_N** shown above. Refer to Page 12 for additional options.)
- **Corner Pads (P112** - white or black)

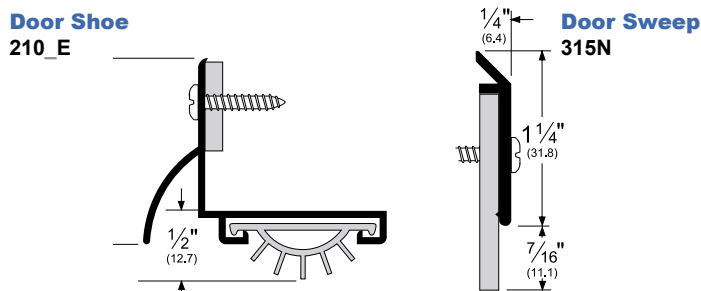
4404 WPS SYSTEM PROFILE

Door Shoe and Sweep Sold Separately (See Detail Below)



DOOR SHOE / SWEEP FOR 4404

(Sold separately. See additional options on Page 12.)



WARRANTY SYSTEM NOTES

The WPS4404 Limited Warranty is valid with or without the complete Warranty Systems (test results may vary if the complete Warranty System is not used). A complete Warranty System requires proper installation of the WPS System along with the addition of Perimeter Gasketing (Q108), Door Shoe (209, 234, 210_E, or 211_E), Door Sweep (308_V or 315_N) and Corner Pads (P112).

WATER PROTECTION SYSTEM 4406

INSWING FOR 2x6 WALL • 6-9/16" JAMB

STANDARD DOOR SIZES:

WPS4406A - 36" to 144"

WPS4406BDG

WPS4406D

WPS4406SN

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS4406 is available for these configurations:



AVAILABLE FINISHES:

- Mill Finish Aluminum (A)
- Bright Dip Gold Anodized Aluminum (BDG)
- Dark Bronze Anodized Aluminum (D)
- Satin Nickel Anodized Aluminum (SN)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

4406 INSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- Vinyl thermal barrier water return pan.
- 2-Piece injection-molded jamb boots (conform to sill profile); available in white (W) or black (B).
- Endplates using fusion bonding adhesive sealing tape.
- Stainless steel screw packs (to attach door jambs to the endplates).
- Foam insert (stops water from entering sill through the sides).
- Sill and pan sold together as a unit only; not available for separate order.

WPS4406 SYSTEM INCLUDES:

- **4406 Sill Extrusion**
- **V4406BL Vinyl Pan**
- **JB4406_L / JB4406_R Jamb Boots (2)**
Specify White (W) or Black (B) finish Jamb Boots
- **A2999ST-2 End Plates (2)**
- **P384-15 Foam Insert (2)**

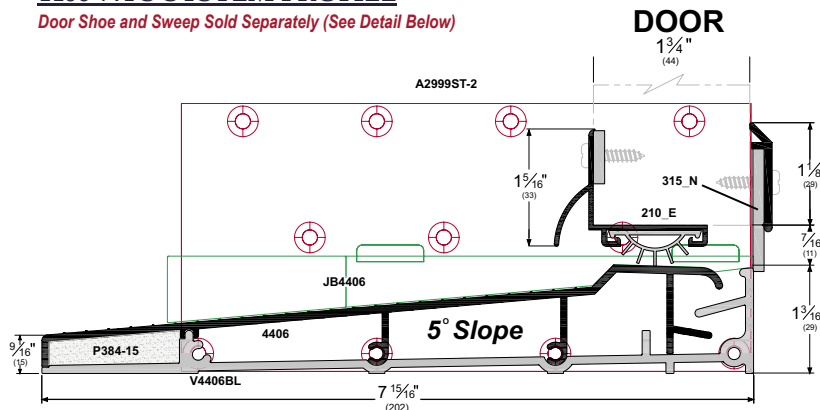
SOLD SEPARATELY:

- **Perimeter Gasketing (Q108 - shown above)**
- **Door Shoe (210_E shown above. Refer to Page 12 for additional options.)**
- **Door Sweep (315_N shown above. Refer to Page 12 for additional options.)**
- **Corner Pads (P112 - white or black)**



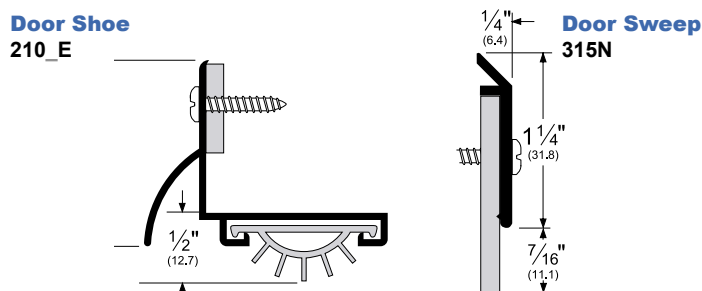
4406 WPS SYSTEM PROFILE

Door Shoe and Sweep Sold Separately (See Detail Below)



DOOR SHOE / SWEEP FOR 4406

(Sold separately. See additional options on Page 12.)

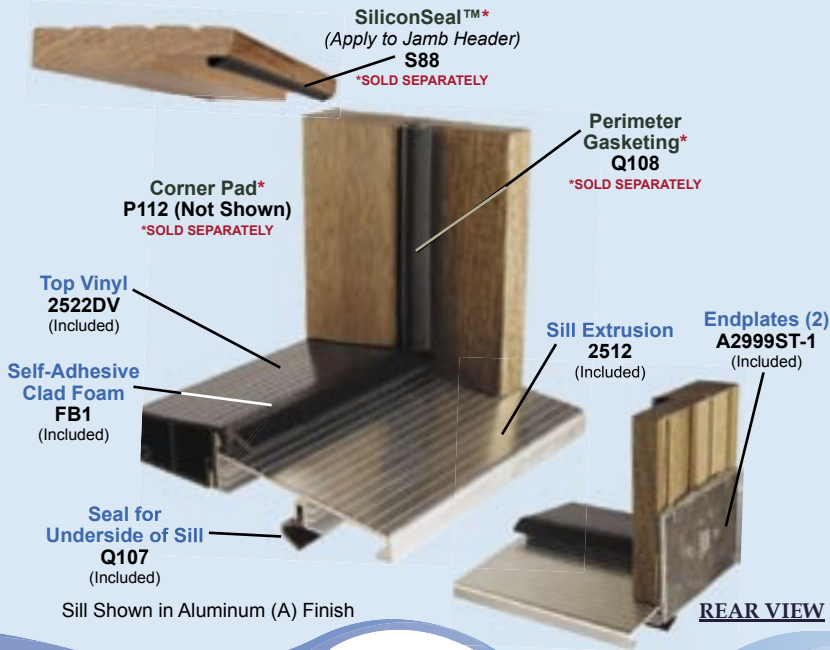


WARRANTY SYSTEM NOTES

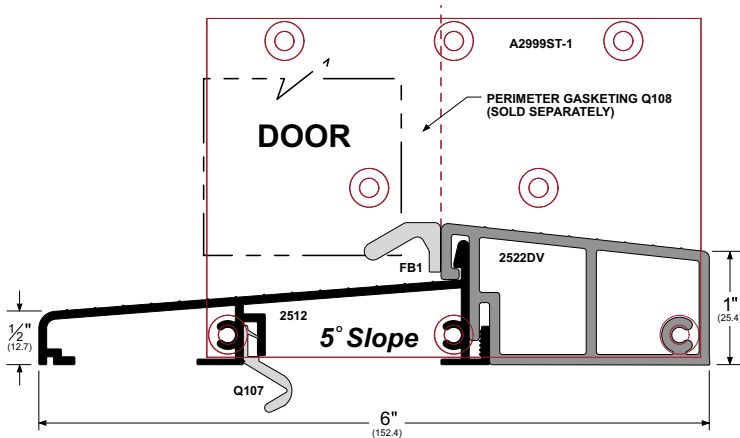
The WPS4404 Limited Warranty is valid with or without the complete Warranty Systems (test results may vary if the complete Warranty System is not used). A complete Warranty System requires proper installation of the WPS System along with the addition of Perimeter Gasketing (Q108), Door Shoe (209, 234, 210_E, or 211_E), Door Sweep (308_V or 315_N) and Corner Pads (P112).

WATER PROTECTION SYSTEM 2512

OUTSWING FOR 2x4 WALL • 4-9/16" JAMB



2512 WPS SYSTEM PROFILE



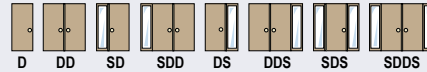
Pemko's WPS systems keep expensive floors, doors, and interior finishes completely safe from entryway water infiltration damage.

STANDARD DOOR SIZES:




WPS2512AV - 36" to 144"
WPS2512DV
WPS2512SNV

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS2512 is available for these configurations:



AVAILABLE FINISHES:

-  Mill Finish Aluminum (**A**)
-  Dark Bronze Anodized Aluminum (**D**)
-  Satin Nickel Anodized Aluminum (**SN**)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

2512 OUTSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- End plates using fusion bonding adhesive sealing tape.
- Black vinyl top.
- Stainless steel screw packs (to attach door jambs to the endplates).

2512 WPS SYSTEM INCLUDES:

- **2512 Sill Extrusion**
- **2522DV Top Vinyl**
- **A2999ST-1 End Plates (2)**
- **FB1 Self-Adhesive Clad Foam**
- **Q107 Gasketing for Underside of Sill**

SOLD SEPARATELY:

- **Perimeter Gasketing (Q108)** - shown above
- **Corner Pads (P112)** - white or black
- **S88 SiliconSeal™** (Applied to Jamb Header)

For an optimal jamb seal, you must order both Q108 Perimeter Gasketing and S88 SiliconSeal™.

WATER PROTECTION SYSTEM 2516

OUTSWING FOR 2x4 WALL • 4-9/16" JAMB

STANDARD DOOR SIZES:

WPS2516A - 36" to 144"

WPS2516D

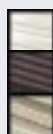
WPS2516SN

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS2516 is available for these configurations:



AVAILABLE FINISHES:



Mill Finish Aluminum (A)

Dark Bronze Anodized Aluminum (D)

Satin Nickel Anodized Aluminum (SN)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

2516 OUTSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- All-aluminum construction.
- End plates using fusion bonding adhesive sealing tape.
- Stainless steel screw packs (to attach door jambs to the endplates).

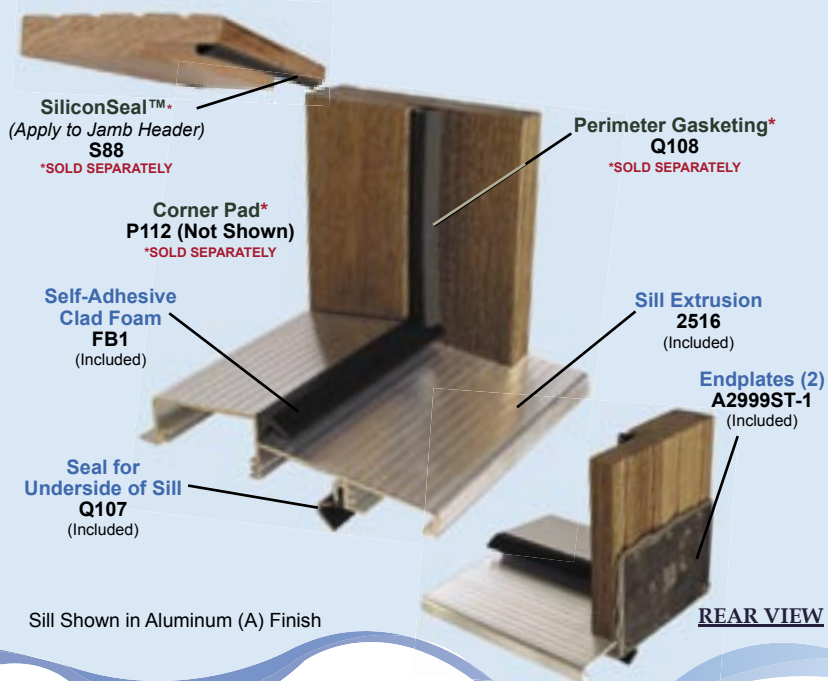
2516 WPS SYSTEM INCLUDES:

- **2516 Sill Extrusion**
- **A2999ST-1 End Plates (2)**
- **FB1 Self-Adhesive Clad Foam**
- **Q107 Gasketing for Underside of Sill**

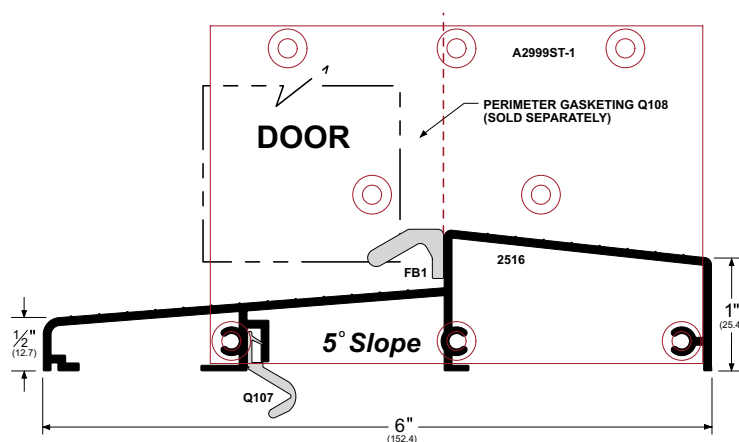
SOLD SEPARATELY:

- **Perimeter Gasketing (Q108 - shown above)**
- **Corner Pads (P112 - white or black)**
- **S88 SiliconSeal™** (Applied to Jamb Header)

For an optimal jamb seal, you must order both Q108 Perimeter Gasketing and S88 SiliconSeal™.



2516 WPS SYSTEM PROFILE



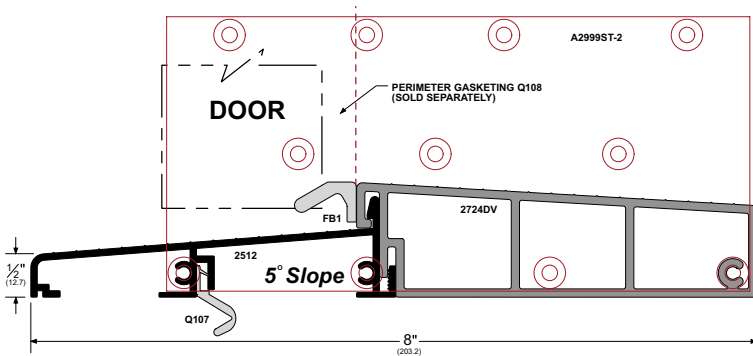
WPS systems are available for all standard entry door configurations and come in widths from 36" up to 144" (full length sill).

WATER PROTECTION SYSTEM 2714

OUTSWING FOR 2x6 WALL • 6-9/16" JAMB



2714 WPS SYSTEM PROFILE



Built to last with Pemko's proven quality, the WPS is warranted to be leak-proof, rot-proof and maintenance-free for the life of the opening.

STANDARD DOOR SIZES:

WPS2714AV - 36" to 144"
WPS2714DV
WPS2714SNV

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS2714 is available for these configurations:



AVAILABLE FINISHES:

- Mill Finish Aluminum (**A**)
- Dark Bronze Anodized Aluminum (**D**)
- Satin Nickel Anodized Aluminum (**SN**)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

2714 OUTSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- End plates using fusion bonding adhesive sealing tape.
- Black vinyl top.
- Stainless steel screw packs (to attach door jambs to the endplates).

2714 WPS SYSTEM INCLUDES:

- **2512 Sill Extrusion**
- **2724DV Top Vinyl**
- **A2999ST-2 End Plates (2)**
- **FB1 Self-Adhesive Clad Foam**
- **Q107 Gasketing for Underside of Sill**

SOLD SEPARATELY:

- **Perimeter Gasketing (Q108)** - shown above)
- **Corner Pads (P112)** - white or black)
- **S88 SiliconSeal™** (Applied to Jamb Header)

For an optimal jamb seal, you must order both Q108 Perimeter Gasketing and S88 SiliconSeal™.

WATER PROTECTION SYSTEM 2718

OUTSWING FOR 2x6 WALL • 6-9/16" JAMB

STANDARD DOOR SIZES:

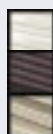
WPS2718A - 36" to 144"
WPS2718D
WPS2718SN

36" models can be cut down to accommodate smaller doors. Non-net sills up to 48" are shipped with a 2-inch length overage (Example: a 36" non-net sill is shipped at 38"). Non-net sills above 48" are shipped with a 3-inch length overage. To calculate an exact net size, please use the Order Worksheet (Pages 13-14).

WPS2718 is available for these configurations:



AVAILABLE FINISHES:



Mill Finish Aluminum (**A**)
 Dark Bronze Anodized Aluminum (**D**)
 Satin Nickel Anodized Aluminum (**SN**)

Additional finishes available; added costs and lead times may apply. Contact Pemko for details.

2718 OUTSWING KITS FEATURE:

- Extruded aluminum sill with industry standard 5-degree slope.
- All-aluminum construction.
- End plates using fusion bonding adhesive sealing tape.
- Stainless steel screw packs (to attach door jambs to the endplates).

2718 WPS SYSTEM INCLUDES:

- **2718 Sill Extrusion**
- **A2999ST-2 End Plates (2)**
- **FB1 Self-Adhesive Clad Foam**
- **Q107 Gasketing for Underside of Sill**

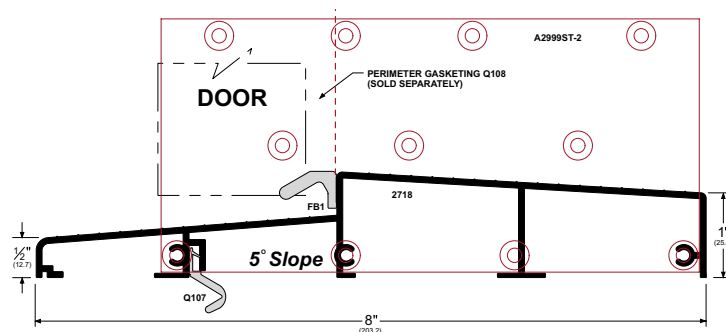
SOLD SEPARATELY:

- **Perimeter Gasketing (Q108)** - shown above
- **Corner Pads (P112)** - white or black
- **S88 SiliconSeal™** (Applied to Jamb Header)

For an optimal jamb seal, you must order both Q108 Perimeter Gasketing and S88 SiliconSeal™.



2718 WPS SYSTEM PROFILE



A wide range of attractive standard finishes allows the WPS system to blend perfectly into any installation for a high-end, custom-matched look without the added cost!

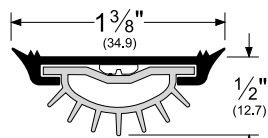


DOOR SHOES, SWEEPS, CORNER PADS, SEALS

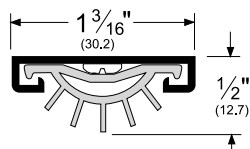
OPTIONS FOR USE WITH WPS SYSTEMS

DOOR SHOES

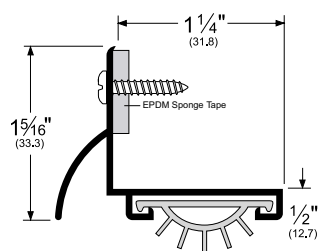
Door Shoe inserts are available in Vinyl (V) and PemkoPrene™ (PK) unless noted. Please specify correct catalog number when ordering.



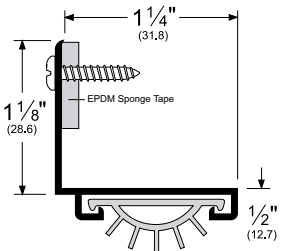
Vinyl Only
209AV
209DV



Vinyl PemkoPrene™
234AV **234APK**
234DV **234DPK**

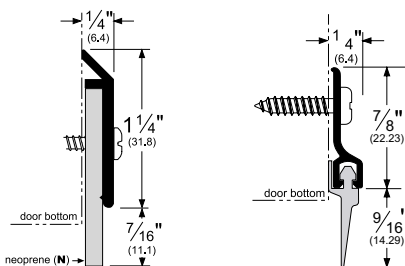


Vinyl PemkoPrene™
210AVE **210APKE**
210BDGVE **210BDGPKE**
210DVE **210DPKE**
210PWVE **210PWPKKE**
210SNVE **210SNPKE**



Vinyl PemkoPrene™
211AVE **211APKE**
211DVE **211DPKE**
211PWVE **211PWPKKE**

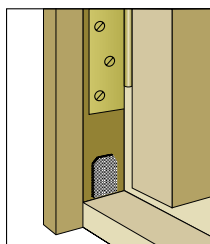
DOOR BOTTOM SWEEPS



315CN **315DN** **308AV** **308DV**
315BDGN **315PWN** **308BDGV** **308PWW**
315SNN **308SNV**

The 308_V and 315_N door bottom sweep, Q108 perimeter gasketing and P112 corner pad are optional in conjunction with the 209, 210_E, 211_E and 234 door shoe; however, they are part of the complete Warranty System for WPS4404 and WPS4406 inswing applications. For interior of inswing door. (See WPS4404 and WPS4406 Models and Warranty System Notes on p. 6-7.)

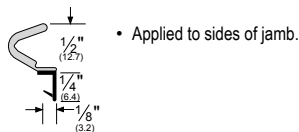
CORNER PADS



Black White
P112PS **P112WPS**

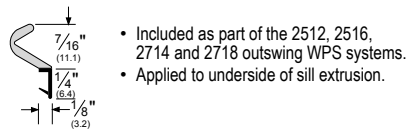
- Black or white polypropylene pile, with pressure-sensitive adhesive backing.
- Pads are 1-1/4" wide x 2" high.
- Apply to corner of jamb on hinge side to seal against air and light infiltration.

PERIMETER GASKETING



- Applied to sides of jamb.

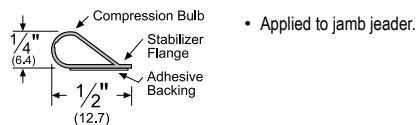
Q108BL (Black) **Q108W** (White)



- Included as part of the 2512, 2516, 2714 and 2718 outswing WPS systems.
- Applied to underside of sill extrusion.

Q107BL (Black) **Q107W** (White)

S88 SILICONSEAL™ JAMB HEADER SEAL

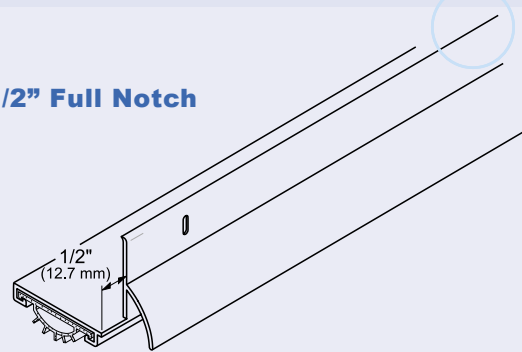


- Applied to jamb header.

S88BL (Black) **S88W** (White)

FABRICATION OPTIONS:

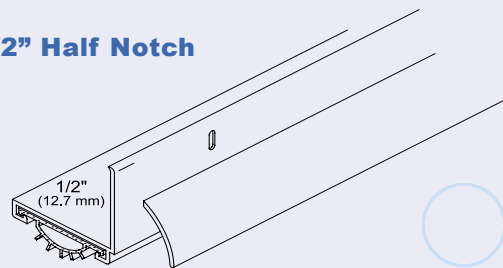
1/2" Full Notch



- **Fabrication includes:** Removal of rain drip and front flange of door shoe to prevent interference with door stop and weatherstrip.
- **Ordering:** Order width of door leaf, and designate by adding "M" following the product number.

(Example: a 210AVE with a 1/2" full notch fabrication, for a 36" door leaf = 210AVEM36.)

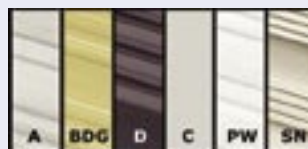
1/2" Half Notch



- **Fabrication includes:** Removal of rain drip to prevent interference with door stop and weatherstrip.
- **Ordering:** Order width of door leaf, and designate by adding "N" following the product number.
- **Special:** Other half notches available are 9/16", 5/8" and 3/4" widths; please specify when ordering.

(Example: a 210AVE with a 1/2" full notch fabrication, for a 36" door leaf = 210AVEN36.)

AVAILABLE STANDARD FINISHES:



Additional custom finishes available; added costs and lead times may apply. Contact Pemko for details.

A Mill Finish Aluminum
BDG Bright Dip Gold Anodized Aluminum
D Dark Bronze Anodized Aluminum
C Clear Anodized Aluminum
PW Painted White Aluminum
SN Satin Nickel Anodized Aluminum

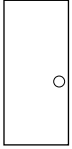
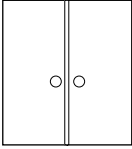
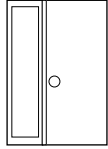
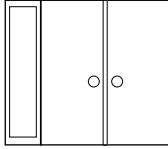
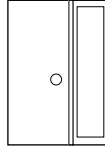
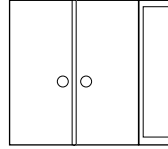
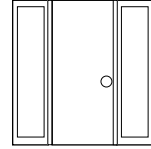
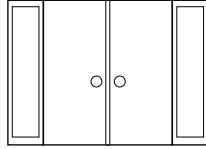
Not all items on these pages available in all standard finishes; please see individual drawings and part numbers for finish options.

WPS ORDER WORKSHEET

FOR INSWING AND OUTSWING APPLICATIONS, PART 1

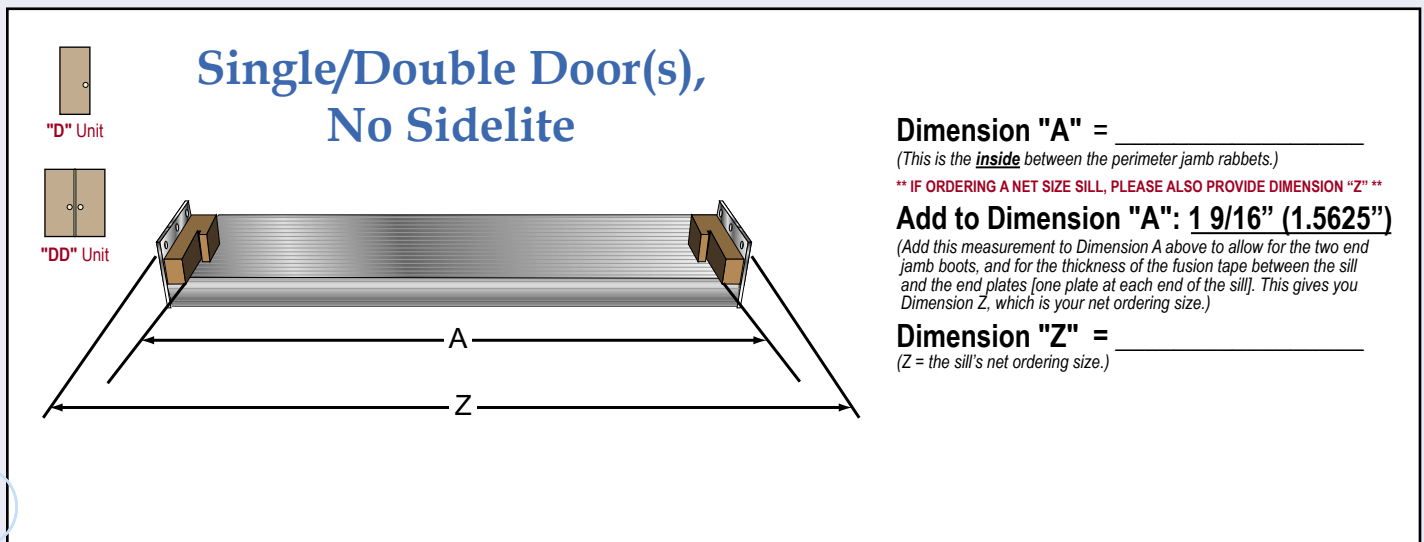
Use this worksheet (on Pages 13-14) to calculate the proper ordering dimensions for your door configuration(s). You will need these dimensions to properly fill out the Warranty System Order Form on Page 15. To place your order, fax this Order Worksheet along with the Warranty System Order Form to:

VENTURA (800-283-4050) / MEMPHIS (800-243-3646) or CANADA 1-877-535-7444 (toll free).

Order Date: _____	PO#: _____
Company Name: _____	Contact: _____
Wall / Jamb Thickness: (circle one) 2" x 4" Wall (4-9/16" jamb) 2" x 6" Wall (6-9/16" jamb)	
Door Swing - As Viewed From Outside (circle one)	Inswing Outswing
Door Configuration: (circle one)	
       	
"D" Unit "DD" Unit "SD" Unit "SDD" Unit "DS" Unit "DDS" Unit "SDS" Unit "SDDS" Unit	
Order Quantity and Model Number: (All units on this order form must be exactly the same. For other sizes or door configurations, please submit additional order forms).	
Quantity: _____	Model No. WPS _____ <small>(Please refer to pages 6-11 for individual model numbers and available finishes).</small>

ORDERING DIMENSIONS

Please fill in the appropriate dimensions in the blanks corresponding the drawing of your desired configuration.
Additional dimensions for Door/Sidelite combinations are found on Page 14.



WPS SYSTEM ORDER WORKSHEET

FOR INSWING AND OUTSWING APPLICATIONS, PART 2

ORDERING DIMENSIONS, Continued

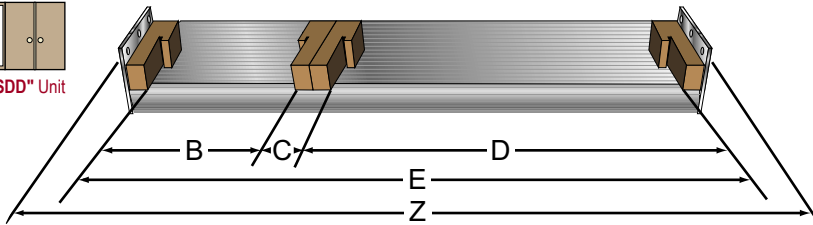


"SD" Unit



"SDD" Unit

Sidelite + Door(s)



Dimension "B" = _____

Dimension "C" = _____

Dimension "D" = _____

Dimension "E" = _____

(E = Sum of Dimensions B, C and D. This is the **inside** between the perimeter jamb rabbets.)

**** IF ORDERING A NET SIZE SILL, PLEASE ALSO PROVIDE DIMENSION "Z" ****

Add to Dimension "E": 1 9/16" (1.5625")

(Add this measurement to Dimension E above to allow for the two end jamb boots, and for the thickness of the fusion tape between the sill and the end plates [one plate at each end of the sill]. This gives you Dimension Z, which is your net ordering size.)

Dimension "Z" = _____

(Z = the sill's net ordering size.)

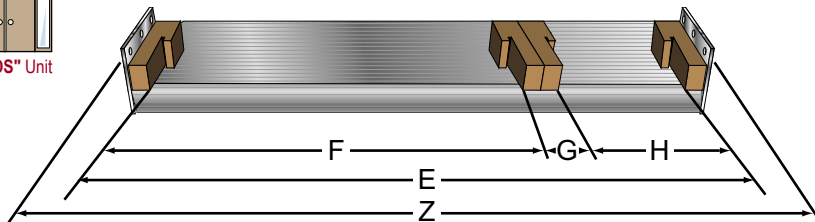


"DS" Unit



"DDS" Unit

Door(s) + Sidelite



Dimension "F" = _____

Dimension "G" = _____

Dimension "H" = _____

Dimension "E" = _____

(E = Sum of Dimensions F, G and H. This is the **inside** between the perimeter jamb rabbets.)

**** IF ORDERING A NET SIZE SILL, PLEASE ALSO PROVIDE DIMENSION "Z" ****

Add to Dimension "E": 1 9/16" (1.5625")

(Add this measurement to Dimension E above to allow for the two end jamb boots, and for the thickness of the fusion tape between the sill and the end plates [one plate at each end of the sill]. This gives you Dimension Z, which is your net ordering size.)

Dimension "Z" = _____

(Z = the sill's net ordering size.)

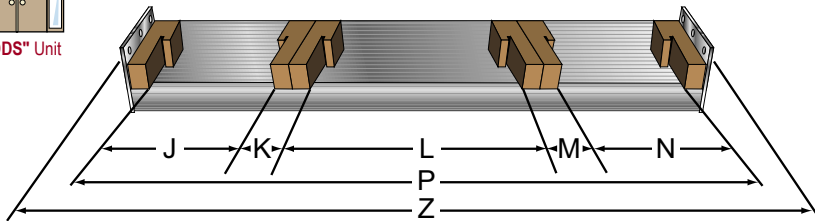


"SDS" Unit



"SDDS" Unit

Sidelite + Door(s) + Sidelite



Dimension "J" = _____

Dimension "K" = _____

Dimension "L" = _____

Dimension "M" = _____

Dimension "N" = _____

Dimension "P" = _____

(P = Sum of Dimensions J, K, L, M and N. This is the **inside** between the perimeter jamb rabbets.)

**** IF ORDERING A NET SIZE SILL, PLEASE ALSO PROVIDE DIMENSION "Z" ****

Add to Dimension "N": 1 9/16" (1.5625")

(Add this measurement to Dimension P above to allow for the two end jamb boots, and for the thickness of the fusion tape between the sill and the end plates [one plate at each end of the sill]. This gives you Dimension Z, which is your net ordering size.)

Dimension "Z" = _____

(Z = the sill's net ordering size.)

PEMKO WPS WARRANTY SYSTEM ORDER FORM

ORDERING INFORMATION

Customer Name _____ Purchase Order Number: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

1: WPS SILL		2: MULLION BOOTS		3: DOOR SHOE		4: DOOR SWEEP		5: CORNER PADS													
ORDER QTY. (EACH)	PROFILE NUMBER	FINISH COLOR	SILL LENGTH	JAMB BOOT COLOR	ORDER QTY. (EACH)	MULLION BOOT COLOR	ORDER QTY. (EACH)	SHOE MODEL	FINISH COLOR	INSERT	EPDM SPONGE	FULL/HALF NOTCH	DOOR SHOE SIZE	ORDER QTY. (EACH)	SWEEP MODEL	FINISH COLOR	INSERT	SWEEP SIZE	ORDER QTY. (EACH)	PAD COLOR	
	INSWING: • 4-9/16" wall: use WPS4404 • 6-9/16" wall: use WPS4406 OUTSWING: • 4-9/16" wall: use WPS2512 or WPS2516 • 6-9/16" wall: use WPS2714 or WPS718	• A • D • SN • BDG • C • PW	• 36" • 48" • 60" • 72" • 84" • 96" • 108" • 120" • 132" • 144" • Custom	• B Black • W White	• B Black • W White	• 209 • 210 • 211 • 234	• A • D • SN • BDG • PW	• V Vinyl • P Penko-Prene™	For 210 and 211 models only, add an "E" to this column.	For 210 and 211 models only. Choose: • M (1/2" Full Notch) • N (1/2" Half Notch) • Leave Blank if no notching.	• For 210 and 211 models, subtract 25" from actual door size. • For 209 and 234 models, enter actual door size.	• 308 • 315	• A • C • D • SN • BDG • PW	• V Vinyl (308 only) • N Neoprene (315 only)	Both 308 and 315 models are the same length as the door width(s).	• P114PS (Black) • P114WPS (White)					
1																					
2																					
3																					
4																					
5																					

FINISH DESIGNATIONS				
A Mill Finish Aluminum	BDG Bright Dip Gold	C Clear Anodized Aluminum	D Dark Bronze	PW Painted White Aluminum

WPS LIMITED WARRANTY

Pemko warrants the WPS sill to be leak-proof for the life of the original door and frame assembly when used in a normal operating environment. Other components of the WPS system, including corner pads (P112PS), door shoe with inserts (210_E, 211_E, 209, 234) and kerf-in weatherstripping (Q107, Q108), are warranted to be leak-resistant for a period of ten (10) years when used in a normal operating environment. Pemko warrants that the WPS sill and all of the components of the Water Protection System will be free of defects in material for a period of ten (10) years.

This warranty does not cover and excludes any cost, expense, loss or damage due to flooding or standing water and improper or poor installation of the Water Protection System, door, frame or hardware.

Pemko does not provide any, and disclaims all, warranties as to the performance, materials or workmanship of the door (including, but not limited to viewers, lock preps and hinge preps), frame and hardware, with which the Water Protection System is utilized. Pemko shall not be responsible for any costs, expenses, losses or damages arising from damage to the Water Protection System or any of its components caused by defects in materials or workmanship with respect to the door, frame and hardware or the improper installation of the door, frame and hardware.

This warranty applies only if the door assembly with which the Water Protection System is utilized is manufactured and installed with strict adherence to the Pemko WPS instructions supplied with each unit. Special attention should be paid to jamb machining details and tolerances in the instructions.

It is expected that installation of the door assembly into the building envelope will be done using proven and generally accepted methods, utilizing all techniques known to minimize the chance of air and water infiltration into the opening. Failure to use these methods will void the warranty.

This warranty is limited and relates only to the components of the Water Protection System manufactured by Pemko. Pemko shall have no liability for any cost, expense, loss or damage arising from or relating to the failure of components of the door, frame, hardware or assembly that are not manufactured by Pemko.

EXCEPT AS SPECIFICALLY SET FORTH ABOVE PEMKO DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED WITH RESPECT TO THE WATER PROTECTION SYSTEM AND ITS COMPONENTS, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IN NO EVENT SHALL PEMKO BE LIABLE FOR ANY LOSS OF PROFITS OR BUSINESS, LOSS OF USE, OR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES, EVEN IF PEMKO WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.



PEMKO MANUFACTURING COMPANY

Leading the Door Hardware Industry for Over Fifty Years



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