

PORVENE DOORS



▶ THE BENCHMARK OF EXCEPTIONAL QUALITY

▶ model 200

▶ ORIGINAL SHEET DOOR

▶ model 300

▶ ROLLING COMMERCIAL SLAT DOOR

▶ model 400

▶ STEEL SERVICE DOOR

▶ model 500

▶ QUIET GLIDE GRILLE DOOR

▶ model 600

▶ THERM-MASTER STEEL BACKED INSULATED DOOR





Company History and Statement

» The original company was formed in 1948 as Porcelain Veneer Inc., manufacturing exterior porcelain panels for the service station industry. In 1952, the Company added architectural facing to its product line by manufacturing sun and shade screens for high rise industrial and commercial buildings. In 1968 the Company added continuous steel sheet doors to its product line. This door revolutionized the door industry and with this success the Company put all its resources in this product line and formed a new Company as Porvene Roll-A-Door, Inc. In 1993 the Company was restructured and changed its name to Porvene Doors, Inc.

» Since 1968, the Company has been the leader in the continuous steel sheet door and has branched out into the Heavy Duty Rolling Steel Slat Door. In 1990, the Company introduced this product line with the same high standards that were used in the introduction of the continuous steel sheet door. The design and operation features of the slat door are superior within the industry and can meet the needs and requirements of most applications. The Company has also introduced a Rolling Grille and a Steel Backed Insulated Rolling Steel Door with the same high standards as its other products.

» As a leader within the industrial and commercial door industry, the Company will always manufacture a superior product with innovative designs and techniques to meet our customers needs.



The Porvene Secret

» State of the Art technology has allowed Porvene Doors® to create a Door Dynamometer. This revolutionary invention has given Porvene the unique capability of accurately measuring the torque characteristics of roll-up doors. These characteristics are then converted into a graphical solution through our customized computer software in order to obtain precisely matched spring balancing. As a result, our customers enjoy a superior operating door. This is one of the many ways Porvene strives for higher quality and performance.



» STATE OF THE ART ROBOTICS USED IN MANUFACTURING



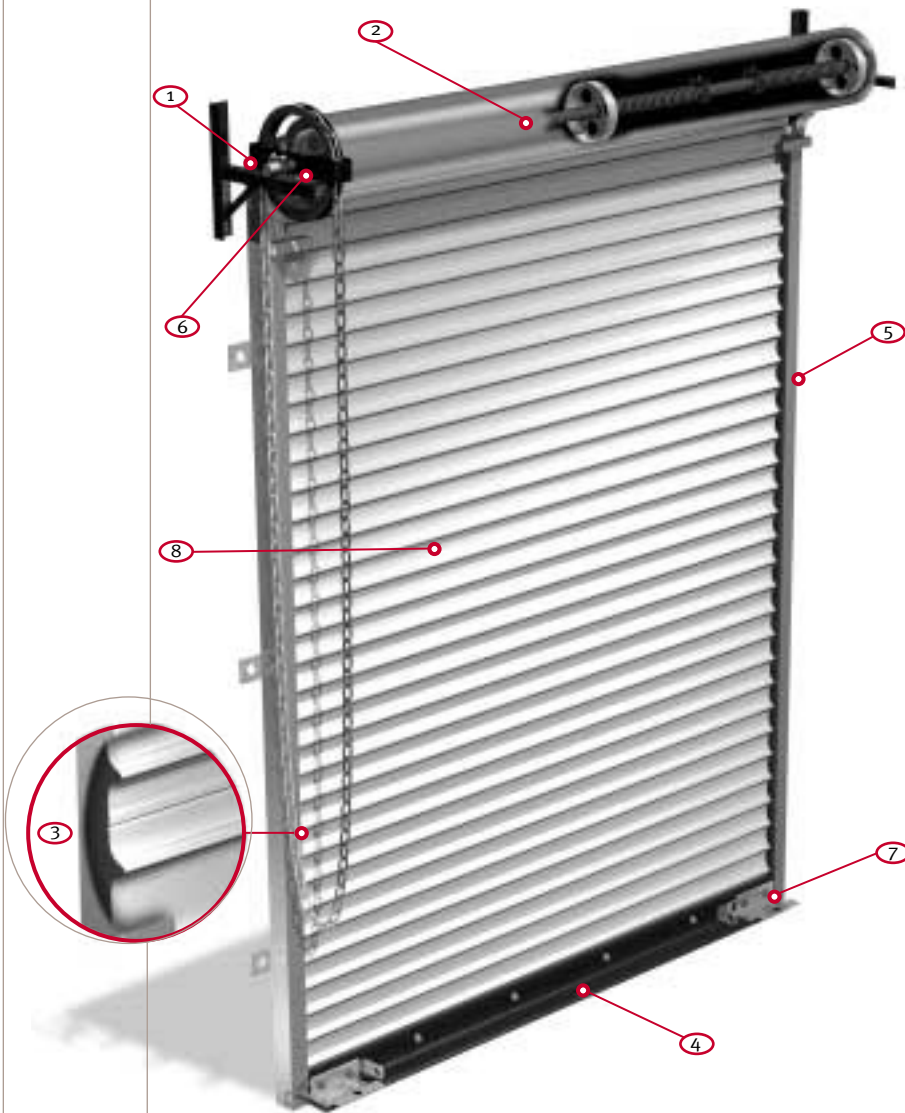
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model 200

2

MODEL 200 THE ORIGINAL SHEET DOOR



Standard Features:

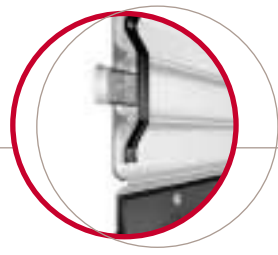
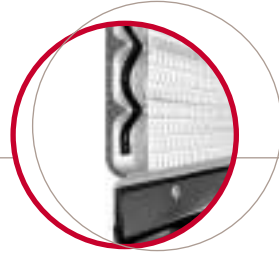
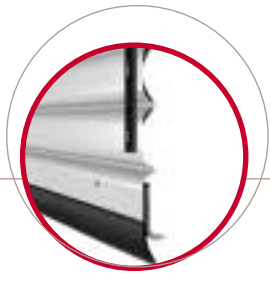
- 1. Greaseless Nylon Bearings**
 - › This exclusive feature delivers longer life than metal bearings, without costly maintenance.
- 2. Drum Assembly**
 - › The counter balancing mechanism is housed in this unique, roll-up assembly, forming a self enclosed hood.
- 3. Lock Seam**
 - › The sections are lock seamed together. If one section is damaged beyond repair, it can be easily replaced.
- 4. Weather Seal**
 - › A blade astragal made from E.P.D.M., a highly resilient and flexible rubber compound, runs the full length of the bottom angle to seal the threshold of the opening. This forms a barrier against weather, dirt, insects and rodents.
- 5. Guides**
 - › Roll formed single piece guide standard on all doors.
- 6. Chain Operation**
 - › Smooth hand-chain provides safe and comfortable operation eliminating the sharp edges common to lock link hand chain.
- 7. Locking Assembly**
 - › Exclusive tamper-proof slide bolt lock accommodates two padlocks for double protection.
- 8. Galvanized Steel Curtain**
 - › A continuous sheet of .021" galvanized steel delivers maximum security.

Model 200: The Original Sheet Door

Porvене's 200 Series Sheet Doors are the "Original Sheet Door", introduced into the United States in the 1960's. It's ease of operation and economical price has made it an industry standard within the construction industry. This product can be Insulated, Windlocked™, and built with a pass door. This complete product line is available, depending on size, as Hand Operation or Chain Operation and can be upgraded to Electric Operation.

Other Options:

- › Reversed curtain for exterior mounting
- › Slope strip (for sloped floors)
- › Available in 3 colors: white/tan/brown
- › Hoods/facia panels
- › Dead bolt locks for wicket doors
- › Contact factory for other options available



Models Available:

Commercial Door Model 211

This Model offers an economical price, without sacrificing superior performance. Porvene's exclusive Nylofelt side stripping prevents metal to metal contact and eliminates the need to lubricate the door guides.

Industrial Door Model 231

This Model incorporates a structural steel bottom angle and heavier gauge steel guides. Larger sizes include wide steel band side stripping for added strength, a Porvene exclusive.

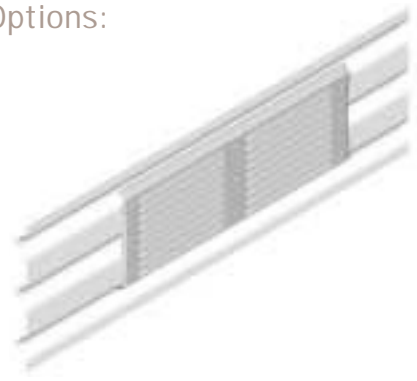
Insulated Model 232

This Model offers a factory applied Mylar backed insulation which provide an insulating value of R-5.24 and U-0.191, and includes top and side draft stop.

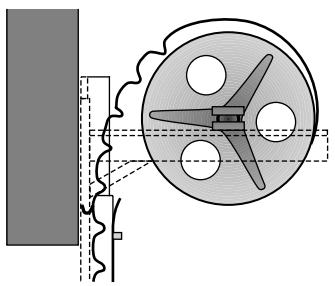
Windlock Model 233

This Model is manufactured for use in high wind areas. The Porvene Windlock System is designed to meet windload ratings up to 60 P.S.F. (150 mph).

Options:



> Vents For air circulation



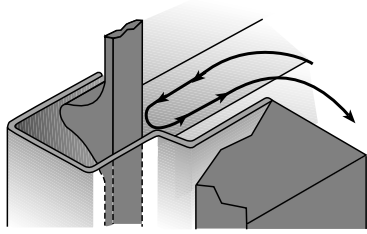
> Top Draft Stop Made of resilient rubber to insure a tight seal at the header



> Roll-Away-Mullion For large openings up to 45 feet wide



> Vision Lites For viewing convenience Lexan® window 22" wide x 7 1/2" high



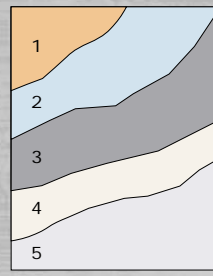
> Side Draft Stop To help prevent wind and weather from penetrating the side jambs of the opening



> Wicket Door For personal access, and added efficiency and convenience

Dura-Finish Paint Process

The Porvene process is designed to give a longer life, with less maintenance and much better protection against the elements such as weather and dust. Our method produces one of the best systems in our industry for a longer lasting and more maintenance free finish. Our system produces one of the thickest top coat finishes in our industry.

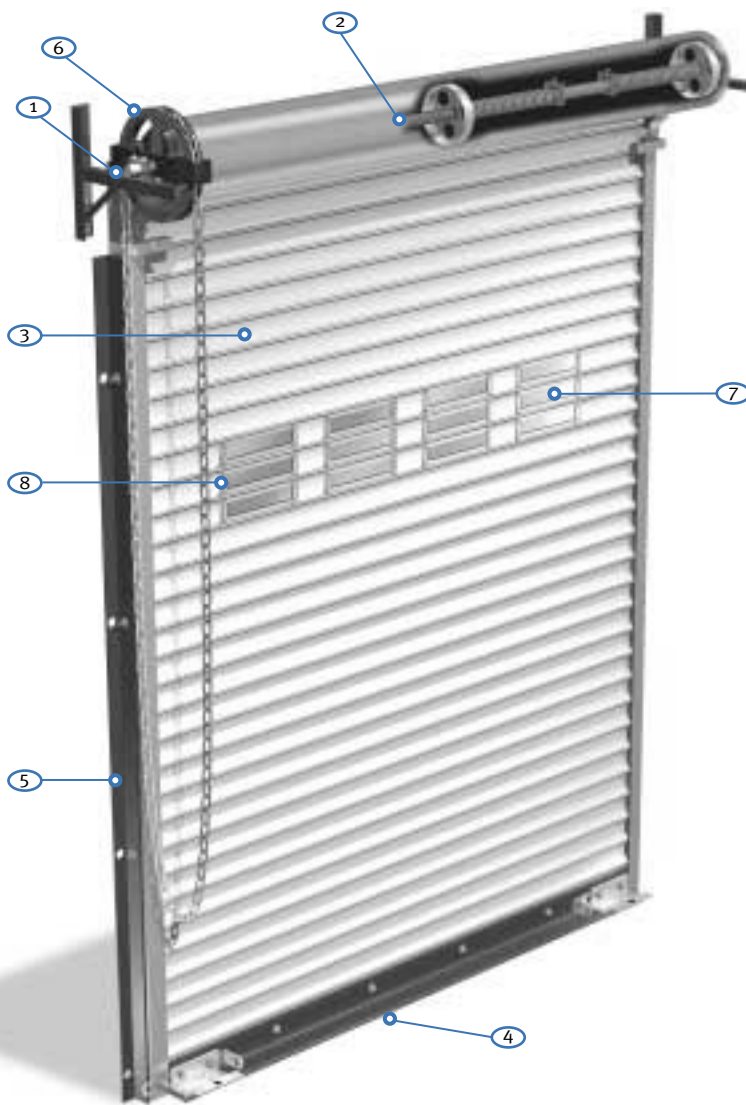


1. Strip steel per ASTM A-526.
2. Hot dip galvanized-G60 coating per ASTM A-525.
3. Bonderized for prime coat adhesion.
4. Corrosion inhibiting primer-minimum thickness (.2) mils on each side.
5. Dura finish (white polyester top coat minimum thickness 1.0 mill front side, .5 mill back side.)

300 model 300

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MODEL 300 THE COMMERCIAL SLAT DOOR



Standard Features:

1. Sealed Ball Bearings
 - › Self-aligning and allow lasting free rotation.
2. Drum Assembly
 - › The counter balancing mechanism is housed in this unique, roll-up assembly, forming a self enclosed hood.
3. Steel Slat Curtain
 - › All slats are manufactured from the highest quality galvanized steel with a baked enamel finish, to form an effective secure curtain. Available curved or flat. (Available in 24 or 22 gauge.)
4. Bottom Bar
 - › Full length structural steel angle with blade astragal. The blade astragal forms a barrier against weather, dirt, insects and rodents. Slide bolt lock can accommodate padlocks.
5. Guides
 - › Structural steel wall angle with galvanized roll-formed U-Channel guides.
6. Chain Operation
 - › Reduction Drive standard on all doors. Smooth hand-chain provides safe and comfortable operation eliminating the sharp edges common to lock link hand chain.
7. Vision Lites
 - › For viewing convenience. (optional)

Model 300: The Commercial Slat Door

Porvene's 300 Series Commercial Slat Doors offer the economy of a sheet door, with the added strength of a service door. This Model is available with 24 Gauge or 22 Gauge steel slat curtain (some sizes available in 24 gauge only) and can be Windlocked. This complete product line comes standard with chain operation and can be upgraded to electric operation.

Other Options:

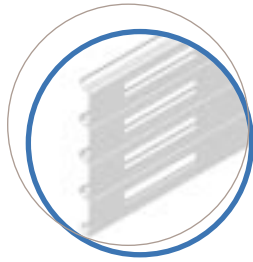
- › Inverted curtain for exterior mounting
- › Slope strip (for sloped floors)
- › Hoods/facia panels
- › Dead bolt locks for wicket doors
- › Insulation
- › Powder Coating
- › Single piece windlock guides available
- › Contact factory for other options available

options

Options:



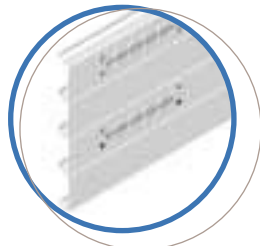
> Flat Slat



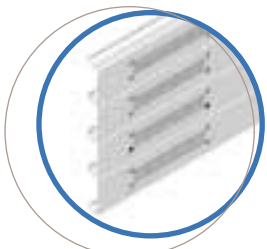
> Vented Slat



> Curved Slat



> Screened



> Vision Slat



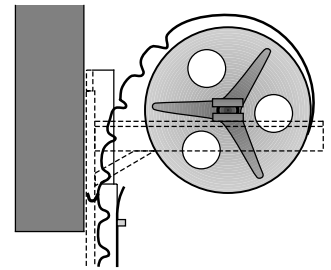
> Windlocked



> Hoods To help protect roll-up door from the elements



> Guide Weather Seal



> Top Draft Stop Made of resilient rubber to insure a tight seal at the header



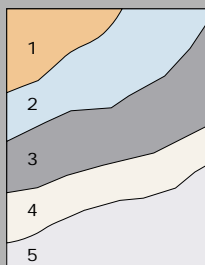
> Wicket Door For personal access, and added efficiency and convenience.



> Pass Door Provides roll-up and pass door convenience while maintaining access to full opening width

Dura-Finish Paint Process

The Porvene process is designed to give a longer life, with less maintenance and much better protection against the elements such as weather and dust. Our method produces one of the best systems in our industry for a longer lasting and more maintenance free finish. Our system produces one of the thickest top coat finishes in our industry.

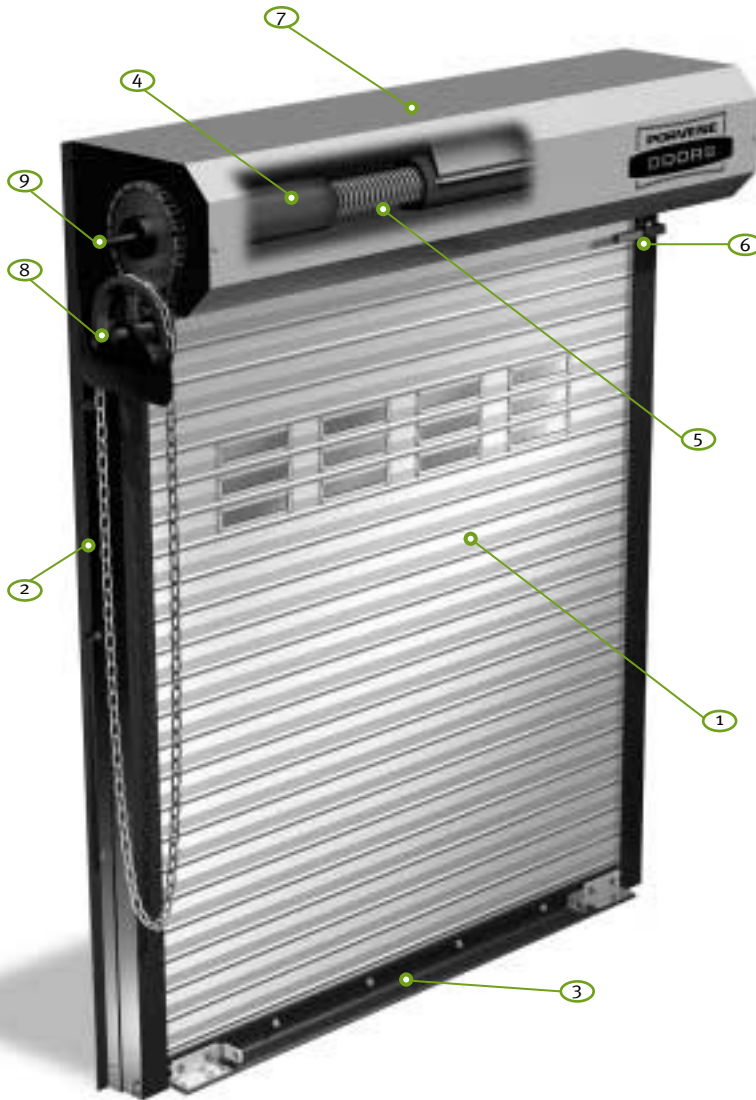


1. Strip steel per ASTM A-526.
2. Hot dip galvanized-G90 coating per ASTM A-525.
3. Bonderized for prime coat adhesion.
4. Corrosion inhibiting primer-minimum thickness (.2) mils on each side.
5. Dura finish (white polyester top coat minimum thickness 1.0 mill front and back side.)

400 model 400

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MODEL 400 THE ROLLING STEEL SERVICE DOOR



Standard Features:

- 1. Steel Slat Curtain**
 - › All slats are manufactured from the highest quality galvanized steel with a baked enamel prime finish. Available in 18 ga., 20 ga., 22 ga. or 24 ga. flat or curved slat.
- 2. Guides**
 - › Minimum 3/16" structural steel angle. (Roll formed guides on 24 gauge doors up to 14'0" x 14'0".)
- 3. Bottom Bar**
 - › Two 2" X 2" X 1/8" thick structural steel angles form a rugged bottom bar assembly. A rubber bottom astragal helps to conform to floor irregularities and helps guard against weather, dirt, insects and rodents.
- 4. Pipe Barrel**
 - › Continuous 6" minimum diameter pipe to support curtain with no more than .03" of deflection per foot of width.
- 5. Counterbalance**
 - › Helical torsion springs are oil tempered and grease packed. Springs are designed for 20,000 cycles minimum and are accurately calculated for every door using Porvene's uniquely designed "Door Dynamometer".
- 6. Door Stops**
 - › Stops are located on the inside and outside of the guides for added safety.
- 7. Hood**
 - › 24 Gauge galvanized steel with a baked enamel prime finish hood that forms an enclosure at the top of the door.
- 8. Chain Hoist**
 - › Heavy duty #50 roller chain and sprockets combined with a smooth hand-chain provides for safe and efficient operation. Removal of chain hoist makes door Electric Operation ready without further modification or cost.
- 9. Sealed Ball Bearing**
 - › Self-aligning and allow free rotation of barrel.

Model 400: The Rolling Steel Service Door

Porvene's 400 Series Service Doors offer 24/22/20/18 gauge slats for additional strength. Our new and innovative slat design reduces the snapping sounds that come from metal to metal contact common to rolling steel slat doors when the door is opening and closing. Powder Coating in a wide variety of colors is also available. This product line comes standard with Chain Operation and can be upgraded to Electric Operation.

Other Options:

- › Dead bolt locks for wicket doors and pass doors
- › Inverted curtain for exterior mounting
- › Slope strip (for sloped floors)
- › Powder coating available
- › Cylinder lock
- › Cast iron endlocks/windlocks
- › Higher than 20 P.S.F. wind loading available
- › High cycle options 150,000 cycles
- › Electric interlocks

options

Options:



> Flat Slat



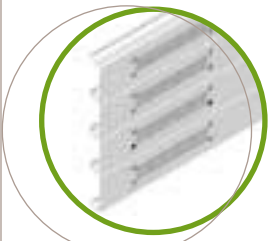
> Vented Slat



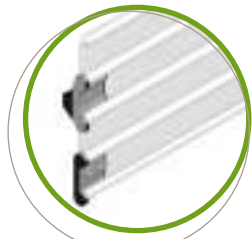
> Curved Slat



> Screen Slat



> Vision Slat



> Malleable Endlocks
Windlocks



> Pass Door Provides roll-up and pass door convenience while maintaining access to full opening width



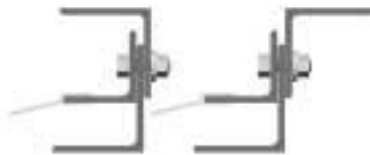
> Thru-Wall Chain Drive The option is used when operation is desired from the opposite side of the wall



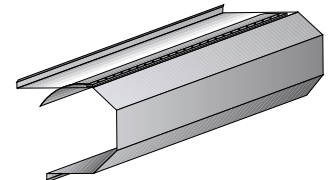
> Double Reduction Drive For easy operation on larger doors



> Safety Break Bearing Prevents door from free falling in the event of counterbalance failure



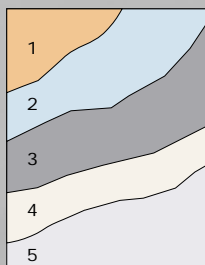
> Weather Seal Guides



> Hood Baffle Reduces the infiltration of weather, dust, insects and rodents

Dura-Finish Paint Process

The Porvene process is designed to give a longer life, with less maintenance and much better protection against the elements such as weather and dust. Our method produces one of the best systems in our industry for a longer lasting and more maintenance free finish. Our system produces one of the thickest top coat finishes in our industry.

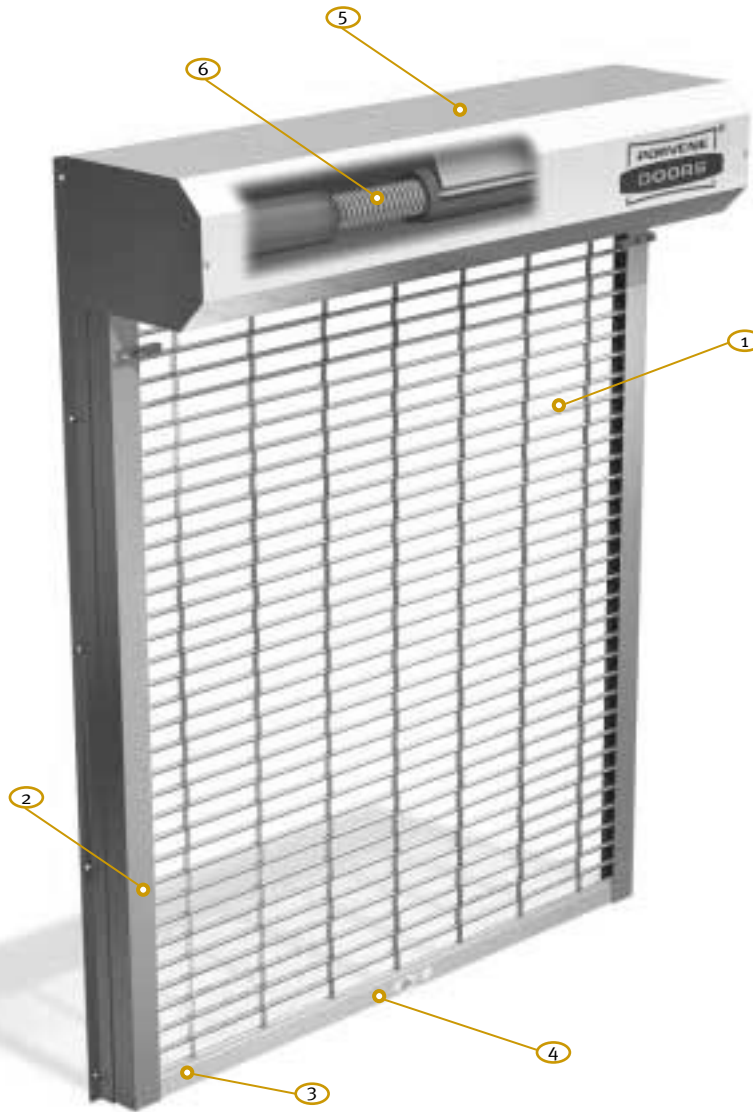


1. Strip steel per ASTM A-526.
2. Hot dip galvanized-G90 coating per ASTM A-525.
3. Bonderized for prime coat adhesion.
4. Corrosion inhibiting primer-minimum thickness (.2) mils on each side.
5. Dura finish (white polyester top coat minimum thickness 1.0 mill front and back side.)

500 model 500

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MODEL 500 THE QUIET GLIDE GRILLE DOOR



Standard Features:

1. Grille Curtain
 - › Clear anodized aluminum tubes over steel rods for added strength and security.
2. Guide
 - › Clear anodized extruded aluminum with polyethylene wear strips for smooth operation.
3. Bottom Bar
 - › Clear anodized aluminum with low friction nylon blocks mounted at ends for smooth and quiet operation.
4. Locking
 - › Center mounted key cylinder lock operable from inside or outside(optional).
5. Hood
 - › 24 gauge galvanized steel painted hood (optional).
6. Counterbalance
 - › Helical torsion springs calculated for optimal ease of operation.

Model 500: The Quiet Glide Grille Door

Porvene's 500 Series Quiet Glide Grille is constructed using Aluminum tubes over solid steel rods giving added strength for security and features low friction nylon blocks mounted to the bottom bar for quiet operation. Clear anodized finish is standard on the guides, bottom bar and round tubes. Available anodized finishes are Gold, Dark Bronze, Light Bronze and Black. The complete line is available, dependent on size, as Hand Operation or Chain Operation and can be upgraded to Electric Operation.

Other Options:

- › High cycle option available 150,000 cycles
- › Security pattern
- › Dual cylinder thumb turns and protective cups
- › Structural steel tube mounting system
- › Bottom bar mounted dropped ceiling seal
- › Thru wall chain hoist
- › Fascia panels
- › Stainless steel reinforcing rods for exterior application

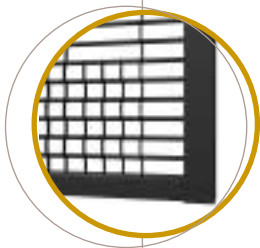
options



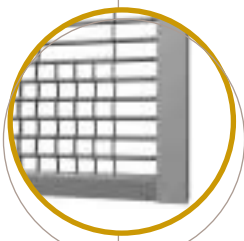
> Black Anodized



> Light Bronze Anodized



> Dark Bronzed Anodized



> Gold Anodized

Options:



> **Model 550 Combination Door** Grille Door for ventilation during the day and Service Door for security at night



> **Grille Wicket** Allows for pass door convenience



> **Safety Brake Bearing** Prevents the door from free falling in the event of counterbalance failure



> **Chain Reduction Drive** For easy operation on smaller doors



> **Awning Crank** Allows for crank operation at floor level

Model 550

Anodizing Specifications

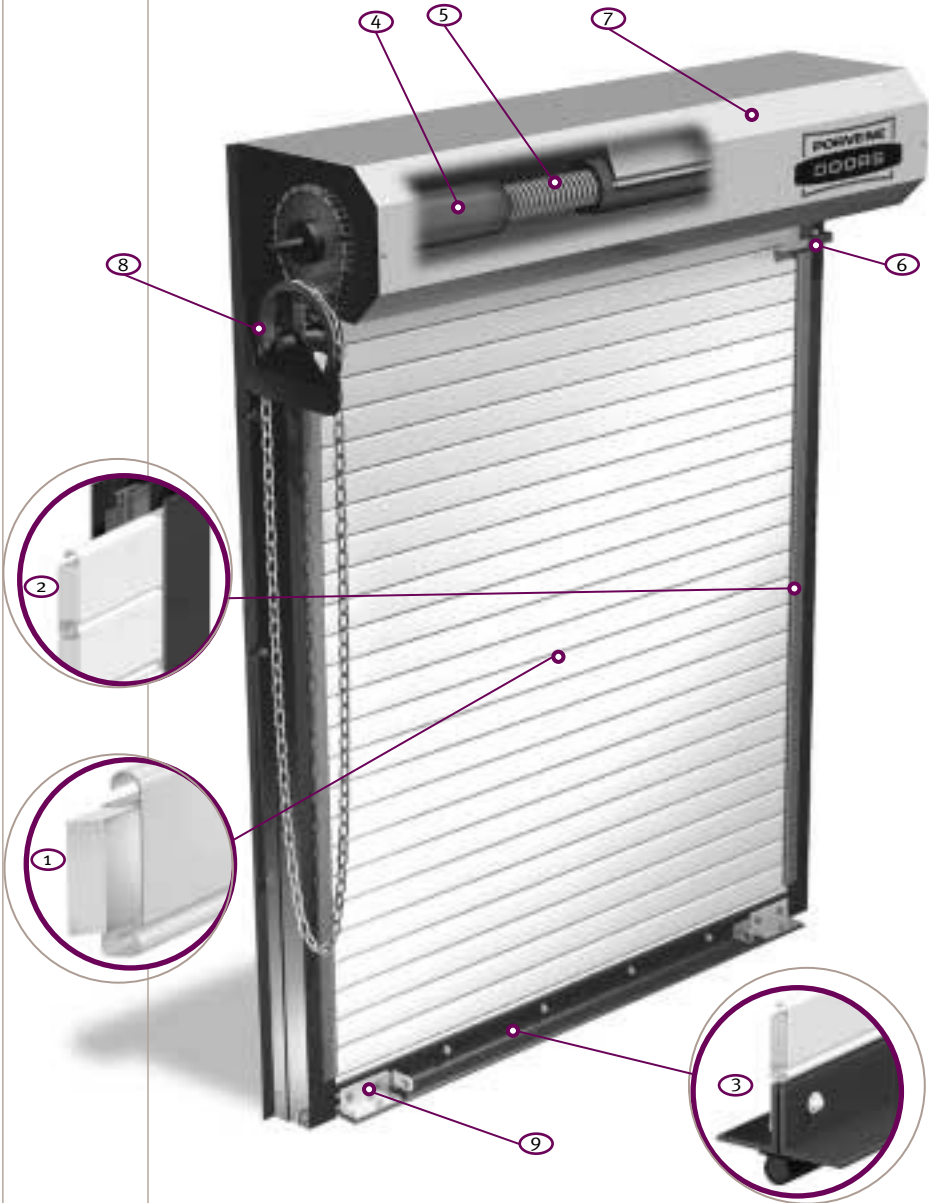
Porvене Doors® furnishes all anodized aluminum that complies with the highest standards in the industry. Designated by the Aluminum Association (AA) for anodic coating:

- > Up to 0.4 mils thick (protective and decorative)
 - A21- Standard commercial clear
 - A22- Gold
- > 0.7 mils and thicker (Architectural Class I)
 - A44- 2 step light, medium, and dark bronze

model 600

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MODEL 600 THERM-MASTER STEEL BACKED INSULATED DOOR



Standard Features:

- 1. Insulated Slat Curtain**
 - › Environmentally Safe Polyisocyanurate insulating material housed between a 22 gauge front slat and a 24 gauge back slat.
- 2. Guides**
 - › Structural steel wall angle with vinyl jamb weatherseal.
- 3. Bottom Bar**
 - › Two 2" X 2" X 1/8" structural steel angles form a rugged bottom bar assembly. A vinyl bulb astragal helps to conform to floor irregularities and helps guard against weather, dirt, insects and rodents.
- 4. Pipe Barrel**
 - › Continuous minimum 6" diameter pipe to support door curtain with no more than .03" of deflection per foot of width.
- 5. Counterbalance**
 - › Standard 20,000 cycle helical torsion spring.
- 6. Door Stops**
 - › Removable stops located on inside and outside of the guides for added safety.
- 7. Hood**
 - › 24 Gauge galvanized steel with a baked enamel prime finish hood including an 8" P.V.C. baffle to help seal out the elements.
- 8. Chain Hoist**
 - › Heavy duty #50 roller chain and sprockets combined with a smooth hand-chain provides for safe and efficient operation. Removal of chain hoist makes door Electric Operation ready without further modification or cost.
- 9. Slide Bolt Locks**
 - › Can accommodate padlocks (optional).

Model 600: Therm-Master Steel Backed Insulated Door

Porvene's 600 Series Therm-Master Steel Backed Insulated Doors offers insulating values of R-Factor =5.4 and U-Factor=0.185. The insulation material is made from environmentally safe Polyisocyanurate with aluminum facers adhered to the effective thermal barrier. The Model 600 was tested for sound transmission in accordance with ASTM E 413-87 and was given a rating of STC-23. Powder Coating in a wide variety of colors is also available. This product line comes standard with Chain Operation and can be upgraded to Electric Operation.

Other Options:

- › Powder coating
- › Higher than 20 P.S.F. windloading available
- › High cycle option available
- › Cylinder lock
- › Cast iron end locks/windlocks

options

electric operator

Options:



> View Lite



> Wicket Door Provides roll-up and pass door convenience while maintaining access to full opening width



> Pass Door



> Safety Brake Bearing

Porvene is an authorized Master Distributor for LiftMaster® products. For a complete list of all options and modifications, please contact your local Porvene Distributor.

CHAMBERLAIN®

LiftMaster®

PROFESSIONAL

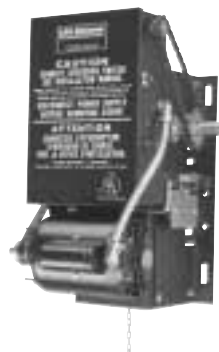
> MJ1211

This Operator was designed to operate all Sheet Doors Series 200



> Model J

Industrial Duty Jackshaft Operator



> Model H

Industrial Duty Hoist Operator



> Model GH

Heavy Industrial Duty Gear-Reduced Operator



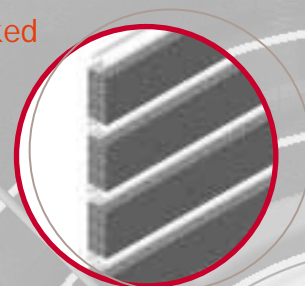
- > Non-contact infrared reversing sensors
- > Audible Warning Light
- > Remote Controls
- > Interlock Switch
- > Miller Electric Sensing Edge
- > Alarm Bell
- > Tamper Proof Key Station
- > Card Readers
- > Digital Key Pad
- > Telephone Entry System

Dura-Finish Paint Process

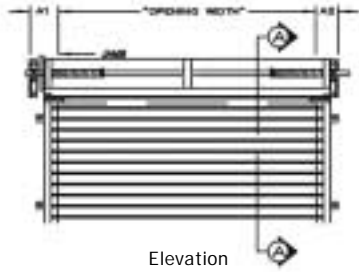
The Porvene process is designed to give a longer life, with less maintenance and much better protection against the elements such as weather and dust. Our method produces one of the best systems in our industry for a longer lasting and more maintenance free finish. Our system produces one of the thickest top coat finishes in our industry.

Model 650: Econo-Therm/Non-Steel Backed

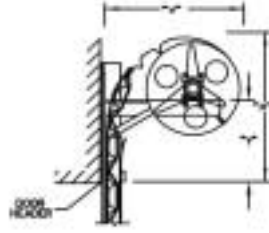
Insulation is 3/4" Tufcote Polyether Urethane foam strips adhered to the back of slats
R=3.0/U=0.333



clearance chart



Elevation



Section A-A

Clearance Requirement for Model 200 & 300

Ceiling: locate dimensions and clearance on dimensions panel. Standing on the inside facing out. Operator is on left, unless otherwise specified.

12 CLEARANCE CHART

model 200

		Clearance Chart Model 200 Sheet Door					
		A-1*	A-2*	X	Y	V	
Hand Operated	Up to 8'	5"	5"	19"	9 1/2"	19"	
	Up to 10'	5"	5"	21"	10"	21"	
Direct Drive	Up to 8'	7 1/2"	5"	20 1/2"	10"	20 1/2"	
	Up to 10'	7 1/2"	5"	21"	10"	21"	
Chain Drive	Over 10'	7 1/2"	5"	22"	11"	22"	
	Up to 8'	9"	6"	22"	11"	22"	
Reduced Drive	Up to 10'	9"	6"	22"	11"	22"	
	Over 10'	9"	6"	22"	11"	22"	

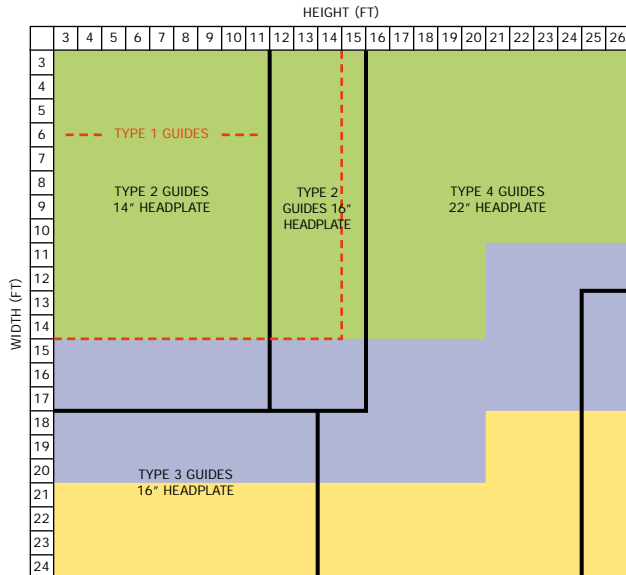
Reduced Drive 20'0" and wider - dim. A-1=11"/Dim. A-2=8" (double Brackets)
 * Side Room Required. Doors over 14'0" and under 20', add 1" to A-1 & A-2

model 300

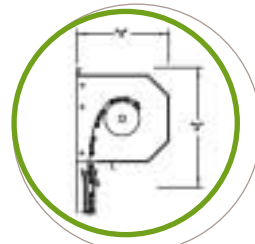
		Clearance Chart Model 300 Commercial Slat Door					
		Dimension Panel (Minimum Heights Indicated)					
		A-1	A-2	X	Y	V	
Reduced Drive	Up to 7'6"	9"	6"	20"	9"	20"	
	Up to 10'	9"	6"	21"	10"	21"	
Chain		Over 10'	9"	6"	23"	23"	

model 400

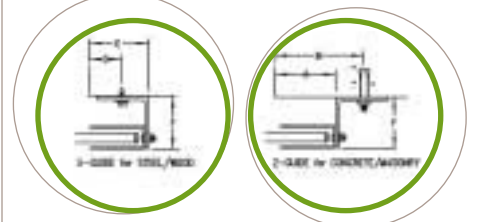
Model 400 Head Plates/Guides & Endlocks



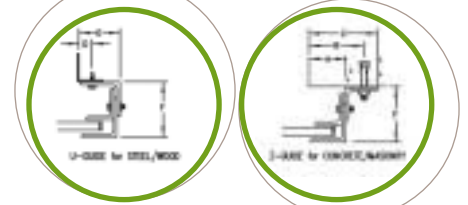
Note: 1. Consult Factory on Guide Lead Time.
 2. Consult Factory on Malleable W.L. out of the yellow zone.



Type 1 Two PC. Guides



Type 2,3, & 4 Three PC. Guides

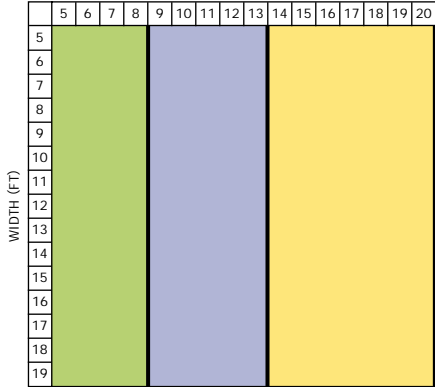


GUIDE TYPE	A"	B"	C"	D"	E"	F"
1	3	4		2	3 3/16	3 1/4
2	3	4 7/8	5 1/2	1 1/4	3 1/4	4
3	3	4 3/4	6	1 1/2	3 1/4	4
4	3	4 3/4	6	1 1/2	3 1/4	4 3/4

Minimum Side Room Clearances Required:
 6" on tension side & 9" on drive side

500 model 500

Model 500 Head Plates
HEIGHT (FT)

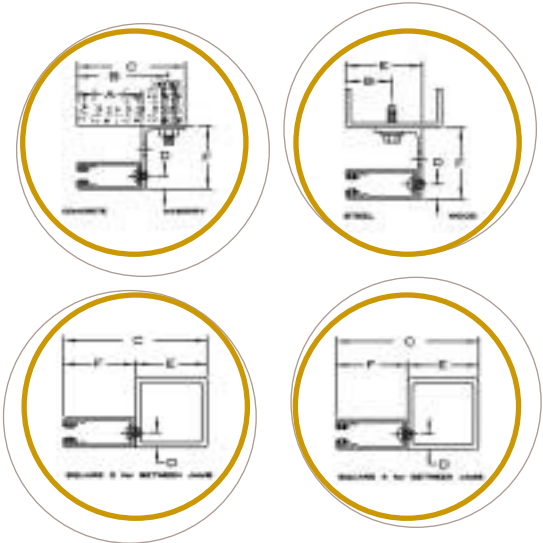
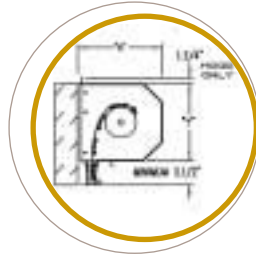


14" HEADPLATE
16" HEADPLATE
22" HEADPLATE

14" HEADPLATES
x=15"
y=14"

16" HEADPLATES
x=17"
y=16"

22" HEADPLATES
x=23"
y=22"



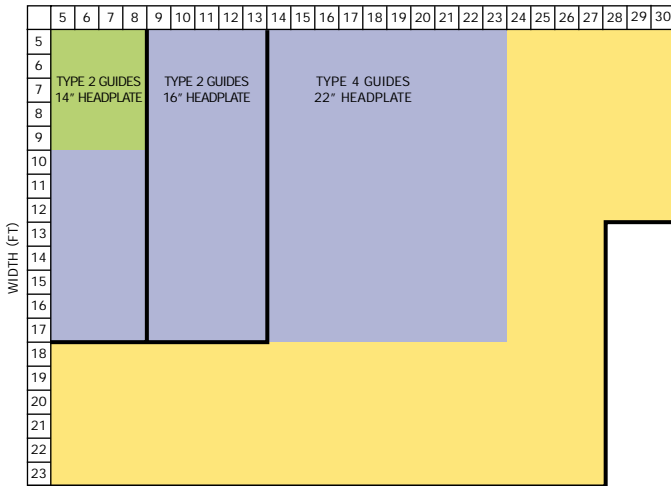
GUIDE TYPE	A"	B"	C"	D"	E"	F"
Z	3	4 1/4	5 1/2	5/8		3
E		1 15/16	3 1/2	5/8	3 3/16	3
SQ3			6	5/8	3	3
SQ4			7	7/8	4	3

Minimum Side Room Clearances Requirements:

	CHAIN HOIST	CRANK HOIST	PUSH PULL
DRIVE	9"	7"	VARIES, SEE TABLE AT TOP (C DIMENSION)
TENSION	6"	6"	6"

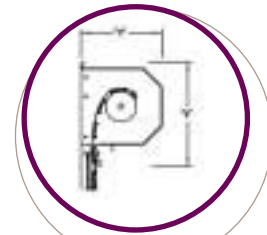
600 model 600

Model 600 Head Plates/Guides & Endlocks
HEIGHT (FT)

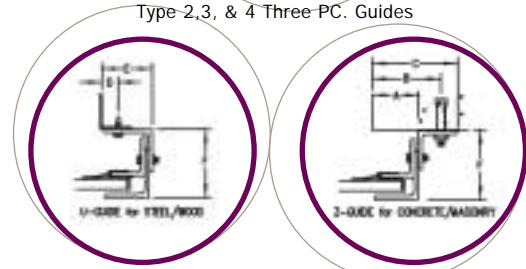


Stamped End locks
Cast End locks
Malleable Wind locks

14" HEADPLATES x=19" v=15"
16" HEADPLATES x=21" v=17"
22" HEADPLATES x=28" v=23"



Type 2, 3, & 4 Three-PC. Guides



GUIDE TYPE	A"	B"	C"	D"	E"	F"
1	3	4		2	3 3/16	3 1/4
2	3	4 7/8	5 1/2	1 1/4	3 1/4	4
3	3	4 3/4	6	1 1/2	3 1/4	4
4	3	4 3/4	6	1 1/2	3 1/4	4 3/4

Minimum Side Room Clearances Required:
6" on tension side & 9" on drive side



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