PRL GLASS SYSTEMS www.prlglass.com | Aluminum ARCHITECTURAL PRODUCTS www.prlaluminum.com

Complete Glazing Solutions

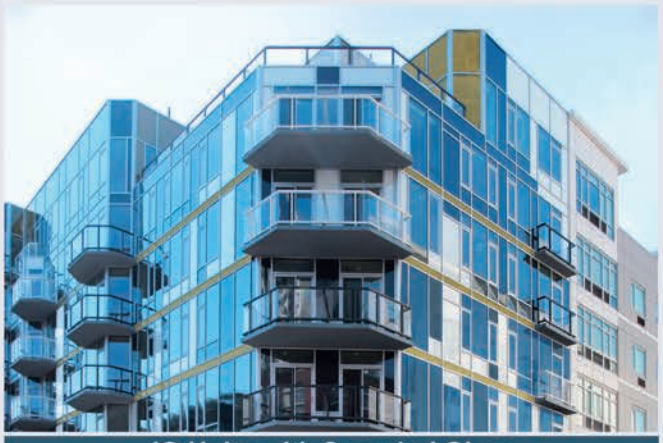
IF SPEED MATTERS!

We offer the Fastest Leadtimes

*Consult PRL for details

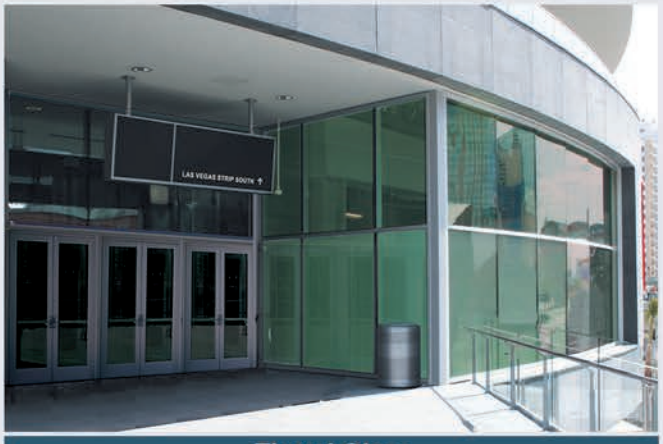
ARCHITECTURAL GLASS

*with the fastest **LEADTIMES** in the industry guaranteed!*

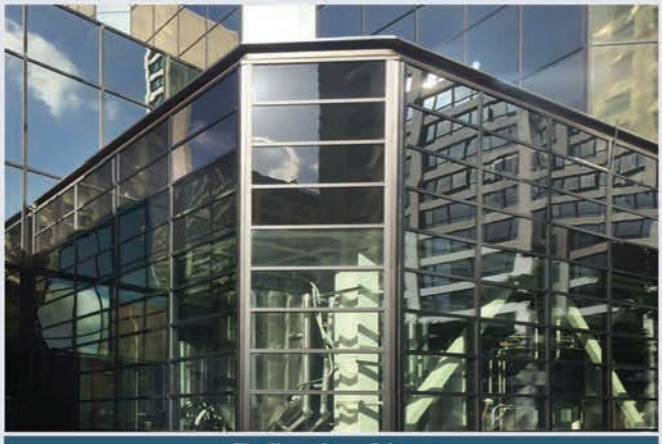


IG Units with Spandrel Glass

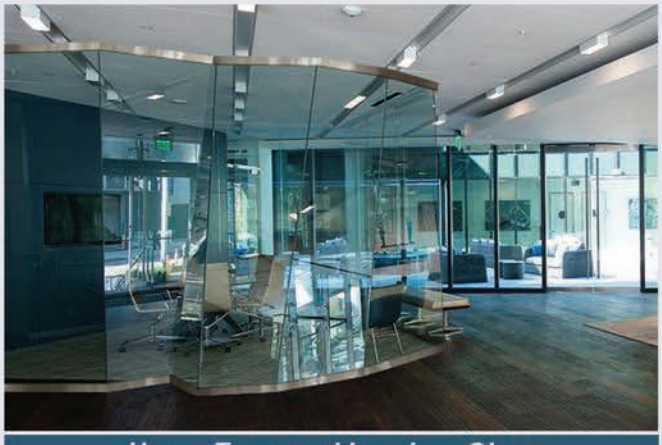
Custom Gradient Sandblast Glass



Tinted Glass



Reflective Glass



Heavy Tempered Low Iron Glass

Laminated Color Glass

for estimates & orders **ph. 800-433-7044** **fx. 626-968-9256** **www.prlglass.com**

CAT-AGE

ARCHITECTURAL GLASS

*with the fastest **LEADTIMES** in the industry guaranteed!*

PRL GLASS FEATURE PRODUCTS

Solarban® Low-E Glass (pg. 06)
- *1/4" Solarban® 60*
- *3/16 Solarban® 70*
- *3/16" Solarban® 90*

Fire Rated Glass (pg. 18)

Samson Hydraulic Glass Door Patch Fitting/Closer (pg. 88)

Thermally Broken Max Aluminum Slider (pg. 114)

Frameless Shower Sliders (pg. 139)
- *Ruby & Tiffany*

Rapid Dryset HR Base Improved Design (pg. 143)

PLEASE NOTE: PRL continuously improves product design and performance, we reserve the right to make changes without notice.

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Max Aluminum Slider
Ruby Slider All Glass
Tiffany SliderAll Glass
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ALUMINUM PRODUCTS ..... **PG 150**
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Aluminum Curtainwall

COMPANY TERMS- *Sales, Credit & Warranties*

TERMS OF SALE

VOLUME PRICING: We welcome special quotation requests for large quantities of glass and mirror. All price quotes are subject to large quantity discounts. Please consult office for pricing.

MINIMUM ORDERS:
$25.00 Minimum Order (per Invoice)
$75.00 Minimum Combined Order for Free Local Delivery.
$1,500.00 Minimum To Ship To An Address Other Than The Billing/Business Address.
$1,500.00 Minimum Order for Jobsite Deliveries.
$2,500.00 Minimum Ordered with PRL per year to qualify for free local delivery

There is no delivery charge on an order which meets the minimum charge & is within our standard delivery area & schedule. Please note PRL will only deliver to commercial locations.

HANDLING CHARGES: Oversized glass may be subject to handling charges.

MINIMUM CHARGES: Glass Pricing
Any glass less than 2.0 sq. ft. will be quoted as 2.0 sq. ft. minimum
(3.0 sq.ft on I.G Units and Laminated Glass)
Footage is calculated rounding up to the next even square inch.

PACKAGING CHARGES: Wooden crates or cardboard wrap are available.

EXPEDITING CHARGES: Expedited leadtimes may be available at an additional cost. Consult us for details.

QUOTES: Quotes are good for 30 days, unless special arrangements have been made.

SPECIFICATIONS: All glass supplied conforms to ASTM C1036

CUSTOMERS GLASS /MERCHANDISE: While working on, or handling customer's glass/merchandise, PRL Glass Systems is not responsible for damage or breakage that may occur to glass or merchandise.

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

TERMS OF CREDIT

CREDIT: Credit must be established prior to delivery of merchandise. Orders must be delivered C.O.D. until credit can be approved and an open account has been established.

TAXES: All orders will be charged sales tax unless a resale certificate is on file in our office. Please send exemption card with initial order.

LIABILITY: Custom orders require a 50% deposit at time of order and always considered non-cancelable, nor will any portion of the deposit be returned or credited.

DAMAGE: All claims for damage (scratches, chips, etc.) must be made within 48 hours of shipment. NO MERCHANDISE IS TO BE RETURNED WITHOUT PRIOR APPROVAL FROM PRL GLASS SYSTEMS.

WARRANTIES

PRL does not warranty under any circumstances glass breakage. Copies of the full disclosure limited warranty for each product are available upon request.

COMPANY TERMS- *Specifications on Glass*

WEIGHT

1/8”	1.63 Per lb. per sq.ft.	3/8”	5.05 Per lb. per sq.ft.
3/16”	2.45 Per lb. per sq.ft.	1/2“	6.40 Per lb. per sq.ft.
1/4“	3.20 Per lb. per sq.ft.	5/8”	8.25 Per lb. per sq.ft.
5/16”	4.13 Per lb. per sq.ft.	3/4”	10.10 Per lb. per sq.ft.

TOLERANCES:

1. Dimensional

Clean Cut Swiped:

1/4”	3/8”	1/2”	5/8”	3/4”
±1/16”	±3/32”	±1/8”	±3/16”	±3/16”

Machined Edges:

1/4”	3/8”	1/2”	5/8”	3/4”
±1/16”	±3/32”	±1/4”	±1/4”	±1/4”

2. Thickness:

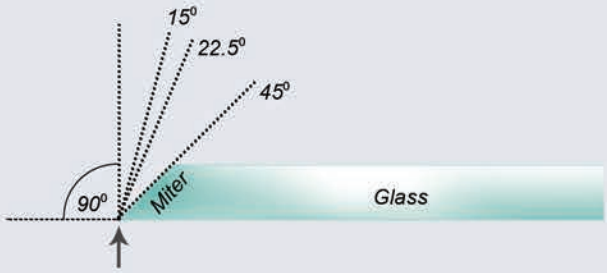
1/4”	3/8”	1/2”	5/8”	3/4”
±1/32”	±1/32”	±1/32”	±1/32”	±1/32”

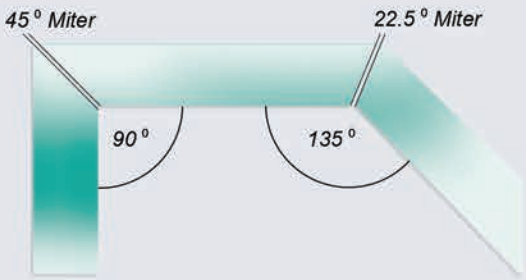
All glass supplied is graded to conform industry standards
If closer tolerances are necessary, please specify on order. Special tolerances are subject to premium charge.

ORDERING MITERS:

- Miters are calculated by how many degrees taken off the 90° square edge or angle *(see Image 1).*
- Miters should be expressed as the angel taken off *(see Image 1).*
- Glass width measurement shall be given from long points of glass as shown *(see Image 2).*
- Drawings sent should indicate back or face miter view with degrees.

Image 1:





Typical 90° & 135° miter glass joints. Miter edge is generally a flat grind finish in these applications. Exposed miters are generally flat polished.

Image 2:

GLASS SELECTION

Clear Laminated SentryGlas®

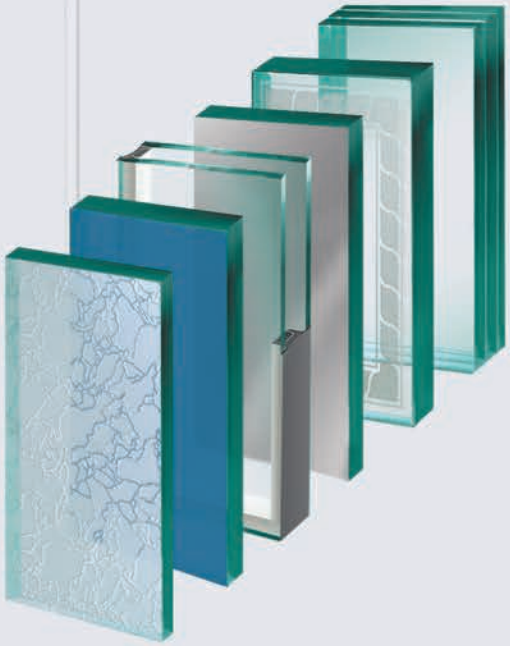
Wall Divider with 3/4" Custom Gradient Sandblast Glass

At PRL, our vast capabilities allow us to produce an extensive selection of glass products to satisfy all of your project requirements.

PRL offers one of the widest Glass selections in the industry, including clear, starphire, tinted, reflective, low iron, low-e, shower glass, textured and mirrors. Available thickness from 1/8" to 3/4" depending on the product. We can produce tempered, insulated or laminated in a high assortment of combinations using tints, textures or colors providing an endless source of possibilities to achieve your most creative architectural objectives!

Where privacy or partial transparency is desired our textured, patterned or custom glass is the perfect solution. Utilizing our sandblast or glue chip lines, your corporate name or logo can be incorporated into your entrance doors and glass.

Daily, our goal is to always provide our customers with the most diverse selection of glazing options along with the fastest service possible.



Note: Samples shown are for illustration purposes only, colors may vary from actual samples. Performance data is available upon request. Please consult PRL for details and availability.

GLASS SELECTION- *Clear & Low Iron*

Entrance System with Low Iron Glass Door, Headers & Panic Devices

CLEAR GLASS

Offers excellent optical properties with high visible light transmittance

Available thickness:- 1/8", 5/32", 3/16", 1/4", 3/8", 1/2", 5/8" and 3/4"

LOW IRON GLASS

Practically colorless glass for unlimited applications

- Starphire
- Diamante
- Opti-White

Available thickness:- 3/16", 1/4", 3/8", 1/2", 5/8 and 3/4"

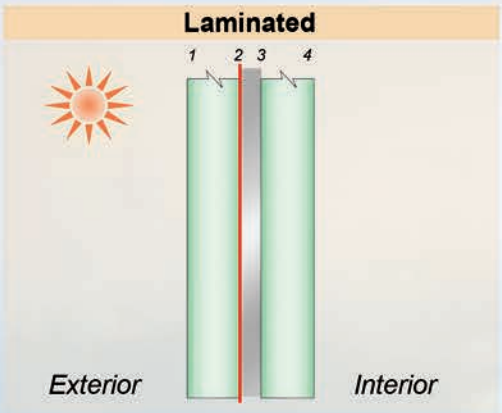
Note: A tint may be more apparent on large or thickness pieces.

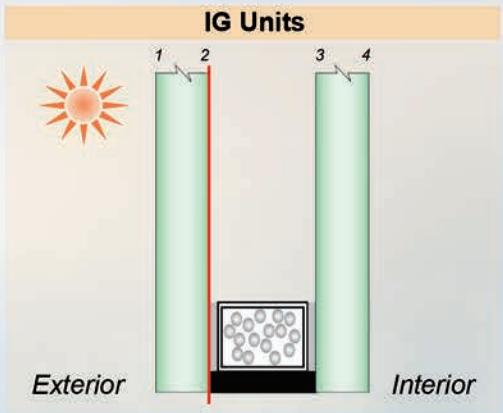
Shower Unit with Low Iron Glass

SOLAR CONTROL LOW-E GLASS

Exceptional Line of High Performance Low-E Glass Inventory of Top Quality Products

Solar control glass is a product developed by the glass industry to allow sunlight to pass through a window while radiating and reflecting away a large degree of the sun's heat. Solar Control glass reduces solar heat gain and offers high levels of natural light to provide comfortable and pleasant environments in which to live and work. Low-E coated glass is one of the most popular and versatile types used today. We offer both Pyrolytic and MSVD coated Low-E Glass products that are adaptable to meet almost any glazing project and designer's energy efficiency requirements. Low-E coated glass plays an important part in the overall performance of the storefront, doors, windows, or curtain wall, and can significantly affect the overall heating, lighting, and the cooling cost of the building.





Resort Project with Low-E Glass IG Units

LOW E GLASS- *Selection*

CHARACTERISTICS:

- High visible light transmittance
- Low-to-medium reflectivity
- Excellent solar control
- Dramatic energy savings that meet or exceed local and regional building energy codes
- Fastest Low-E Glass Leadtimes in the industry
  -Next day service available

**Please consult PRL for availability, sizes, performance data and technical limitations.*

PYROLYTIC (HARD COATS)

1/8" (3.2mm), 3/16" (5mm), 1/4" (6mm)
Energy Advantage

SOFT COATS

3/16" (5mm),
Solarban® 70
Solarban® 90

MSVD (SOFT COATS)

1/4" (6mm)
Solarban® 60
Super Neutral 68 HT Clr
Super Neutral 68 Clr Ann
Super Neutral 68 HT UltraClear
Super Neutral SNX 62/27 HT Clr
Super Neutral SNX 62/27 Clr Ann
Super Neutral 54 HT Crystal Gray
Super Neutral 54 HT Clear
Super Neutral SNX 51/23 HT Clr
SunGuard IS 20 HT Clr
SunGuard SNR 43

We also offer:

- Unlimited Glass Combinations
- Storefronts & Curtainwalls
- Architectural Break Formed Metals

TINTED UNCOATED GLASS

Improved Performance Reducing the Amount of Sunlight Entering a Room

Features:

- Versatile range of tints
- Provide higher levels of natural daylight
- Lower solar heat loads.
- 1/4" or in other thicknesses*

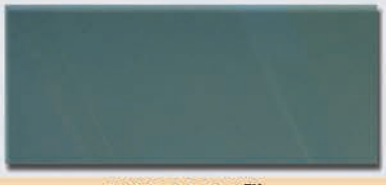
Note: Samples shown are for illustration purposes only, colors may vary from actual glass samples. Performance data is available upon request. Please consult PRL for details and availability.

BRONZE
*1/8", 3/16", 1/4", 3/8" & 1/2"

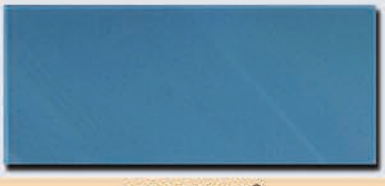
SOLEXIA®
1/8", 3/16', 1/4"

AZURIA®
1/4"

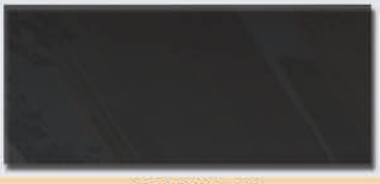
GRAY
1/8", 3/16", 1/4", 3/8" & 1/2"



BLUE GREEN™
1/4", 3/8"

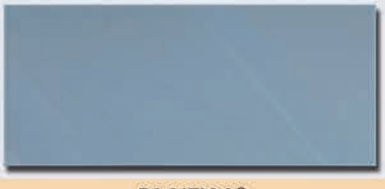


SOLARBLUE®
1/4"

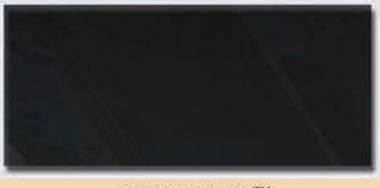


GRAYLITE II®
1/8", 1/4"

EVERGREEN / ATLANTICA®
1/4"



PACIFICA®
1/4"



SUPERGREY™
1/4"

All sheets size measure: 96" x 130"

PRL GLASS SYSTEMS

(800) 433-7044

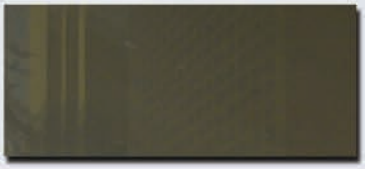
www.prlglass.com

REFLECTIVE GLASS

Extensive Color Palette & performance options with exterior visible reflectivity & a metallic sheen

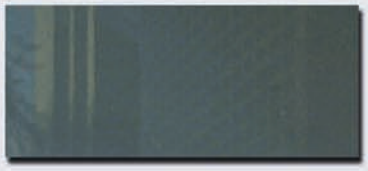
Features:

- Improves solar control
- Limits the amount of sun damaging ultra-violets rays and heat to enter
- Available in ¼" only unless otherwise noted



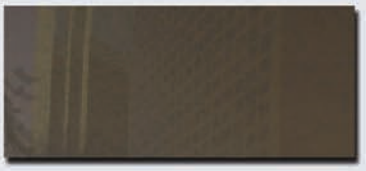
BRONZE ECLIPSE ADVANTAGE™
1/4"

SOLARCOOL SOLARGRAY®
1/4"

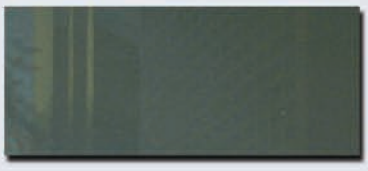


SOLARCOOL AZURIA®
1/4"

SOLARCOOL SOLEXIA®
1/4"

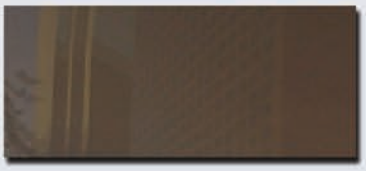


SOLARCOOL SOLARBRONZE®
1/4"

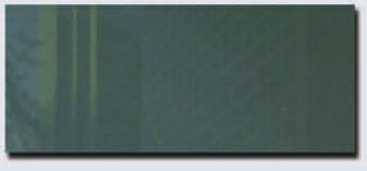


SOLARCOOL SOLARBLUE®
1/4"

BLUEGREEN ECLIPSE ADVANTAGE™
1/4"



MIRROPANE™
1/4"



SOLARCOOL PACIFICA®
1/4"

VISTACOOL PACIFICA®
1/4"

MIRROVIEW™
1/4"

All sheet size measures: 96" x 130"

Note: Samples shown are for illustration purposes only, colors may vary from actual samples. Performance data is available upon request. Please consult PRL for details and availability.

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com

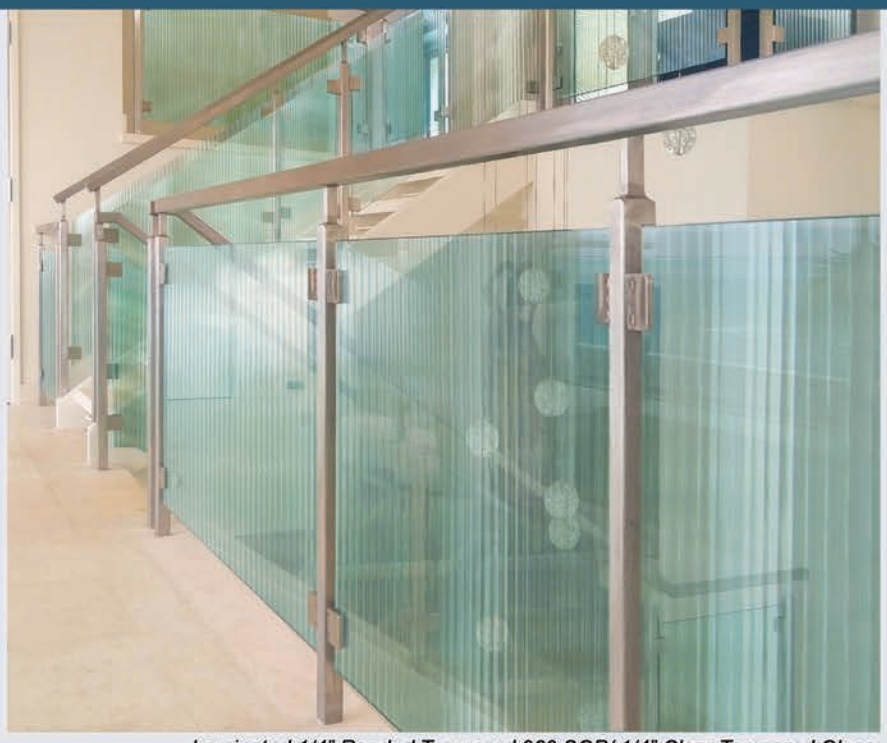
TEXTURED GLASS

Ideal for Interior Decorative Options

Some Suitable Applications are:

- Shower Doors
- Handrails Systems
- Laminated Make-ups
- Wall Cover-ups
- Infill Panels

Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult PRL for details and availability.



Laminated 1/4" Reeded Tempered 060 SGP/ 1/4" Clear Tempered Glass

DELTA FROST
5/32"

DELTA CLEAR
5/32"

RAIN
3/16" , 1/4" , 3/8"

P-516
1/8", 5/32", 3/16", 1/4"

CLEAR GLUECHIP
3/16" , 1/4" , 3/8" , 1/2"

REEDED
(1/2" space apart) 3/16" , 1/4"

AQUATEX
3/16"

CROSSREED
(1/2" squares) *3/16"*

BAMBOO
3/16", 3/8"

BAMBOO FROST
3/16"

MISCO WIRE
1/4"

MASTER-LINE
5/16"

ACID ETCH
1/4" , 3/8", 1/2" (Low Iron- 1/4", 3/8", 1/2")

WATER FLEMISH
1/4"

TEXTURED GLASS- *for Shower Glass*

Neo Angle Shower Unit with Rain Textured Glass

90 Degree Shower Unit with Acid Etch Glass

When discrete privacy is required on shower & steam units, textured glass is the perfect solution.

Various glass thickness from 5/16" to 3/8" glass patterns available to choose from in stock.

MASTER-RAY
5/16"

MASTER-POINT
5/16"

BAMBOO
3/8"

MASTER-LINE
5/16"

SANDBLASTED
3/8", 1/2"

ACID ETCH/MATTE
3/8", 1/2"

GLUECHIP
3/8", 1/2"

RAIN
3/8"

CUSTOM GLUECHIP
SB DESIGN

PERFORMANCE DATA- *Vitro® Monolithic Glass*

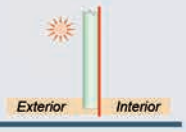


Table of Performance Values*[1]									
Glass Thickness			Visible Light Transmittance (VLT)[2]	Visible Light Reflectance[2]		(BTU/hr°ft²°°F) NFRC U-Value[3]		Solar Heat Gain Coefficient (SHGC)[4]	Light-to-Solar Gain (LSG)[5]
	Inches	mm		Exterior %	Interior %	Winter Night-time	Winter Argon		
Uncoated									
CLEAR Glass									
	1/8	3	90	9	9	1.04	na	0.86	1.05
	5/32	4	90	9	9	1.04	na	0.84	1.07
	3/16	5	89	9	9	1.03	na	0.83	1.07
	1/4	6	89	8	9	1.02	na	0.82	1.09
	5/16	8	87	8	9	1.01	na	0.79	1.10
	3/8	10	87	8	8	1.00	na	0.77	1.13
	1/2	12	85	8	8	0.98	na	0.73	1.16
	5/8	16	84	8	8	0.97	na	0.70	1.20
	3/4	19	83	8	8	0.95	na	0.67	1.24
STARPHIRE® Glass									
	1/8	3	91	8	8	1.04	na	0.91	1.00
	5/32	4	91	8	8	1.04	na	0.91	1.00
	3/16	5	91	8	8	1.03	na	0.90	1.01
	1/4	6	91	8	8	1.02	na	0.90	1.01
	5/16	8	91	8	8	1.01	na	0.89	1.02
	3/8	10	91	8	8	1.00	na	0.89	1.02
	1/2	12	90	8	8	0.98	na	0.88	1.02
	5/8	16	90	8	8	0.97	na	0.87	1.03
	3/4	19	90	8	8	0.95	na	0.86	1.05
SOLEXIA® Glass									
	1/8	3	83	8	8	1.04	na	0.70	1.19
	5/32	4	81	8	8	1.04	na	0.68	1.19
	3/16	5	79	8	8	1.03	na	0.65	1.22
	1/4	6	77	8	8	1.02	na	0.62	1.24
ATLANTICA® Glass									
	1/4	6	67	7	7	1.02	na	0.53	1.26
AZURIA® Glass									
	5/32	4	75	7	7	1.04	na	0.57	1.32
	3/16	5	72	7	7	1.03	na	0.54	1.33
	1/4	6	68	7	7	1.02	na	0.52	1.31
	5/16	8	61	6	6	1.01	na	0.48	1.27
	3/8	10	57	6	6	1.00	na	0.46	1.24
SOLARBLUE® Glass									
	1/4	6	56	6	6	1.02	na	0.61	0.92
PACIFICA® Glass									
	1/4	6	42	5	5	1.02	na	0.49	0.86
SOLARBRONZE® Glass									
	1/8	3	67	7	7	1.04	na	0.73	0.92
	5/32	4	63	7	7	1.04	na	0.70	0.90
	3/16	5	58	6	6	1.03	na	0.67	0.87
	1/4	6	53	6	6	1.02	na	0.63	0.84
	5/16	8	43	6	6	1.01	na	0.57	0.75
	3/8	10	37	5	6	1.00	na	0.53	0.70
	1/2	12	27	5	5	0.98	na	0.47	0.57
OPTIGRAY® Glass									
	1/4	6	63	6	6	1.02	na	0.64	0.98
SOLARGRAY® Glass									
	1/8	3	60	6	7	1.04	na	0.69	0.87
	5/32	4	56	6	7	1.04	na	0.66	0.85
	3/16	5	50	6	6	1.03	na	0.62	0.81
	1/4	6	44	6	6	1.02	na	0.58	0.76
	5/16	8	33	5	6	1.01	na	0.51	0.65
	3/8	10	28	5	5	1.00	na	0.48	0.58
	1/2	12	18	5	5	0.98	na	0.42	0.43

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

PERFORMANCE DATA- *Vitro® Monolithic Glass*

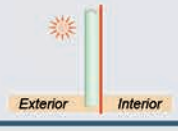


Table of Performance Values*[1]								
Glass Thickness		Visible Light Transmittance (VLT)[2]	Visible Light Reflectance[2]		(BTU/hr°ft²°F) NFRC U-Value[3]		Solar Heat Gain Coefficient (SHGC)[4]	Light-to-Solar Gain (LSG)[5]
Inches	mm		Exterior %	Interior %	Winter Night-time	Winter Argon		
Uncoated								
GRAYLITE® II Glass								
1/8	3	24	5	5	1.04	na	0.45	0.53
5/32	4	18	4	5	1.04	na	0.41	0.44
3/16	5	13	4	5	1.03	na	0.39	0.33
1/4	6	9	4	5	1.02	na	0.36	0.25
Coated								
VISTACOOL® (2) *AZURIA*® Glass								
1/4	6	52	19	29	1.02	na	0.46	1.13
VISTACOOL® (2) *PACIFICA*® Glass								
1/4	6	32	10	28	1.02	na	0.44	0.73
SOLARCOOL® (2) *SOLEXIA*® Glass								
1/4	6	30	23	37	1.03	na	0.43	0.70
SOLARCOOL® (1) *SOLEXIA*® Glass								
1/4	6	30	37	23	1.03	na	0.37	0.81
SOLARCOOL® (2) *AZURIA*® Glass								
3/16	5	27	20	36	1.04	na	0.39	0.69
1/4	6	26	19	36	1.03	na	0.38	0.68
***SOLARCOOL*® (1) *AZURIA*® Glass**								
3/16	5	27	36	20	1.03	na	0.32	0.84
1/4	6	26	36	19	1.03	na	0.31	0.84
SOLARCOOL® (2) *SOLARBLUE*® Glass								
1/4	6	21	14	36	1.02	na	0.45	0.47
SOLARCOOL® (1) *SOLARBLUE*® Glass								
1/4	6	21	36	14	1.02	na	0.38	0.55
SOLARCOOL® (2) *PACIFICA*® Glass								
1/4	6	16	10	36	1.02	na	0.38	0.42
SOLARCOOL® (1) *PACIFICA*® Glass								
1/4	6	16	36	10	1.02	na	0.31	0.52
SOLARCOOL® (2) *SOLARBRONZE*® Glass								
1/4	6	21	13	36	1.03	na	0.47	0.45
SOLARCOOL® (1) *SOLARBRONZE*® Glass								
1/4	6	21	36	13	1.03	na	0.40	0.53
SOLARCOOL® (2) *SOLARGRAY*® Glass								
1/4	6	17	11	36	1.03	na	0.44	0.39
SOLARCOOL® (1) *SOLARGRAY*® Glass								
1/4	6	17	36	11	1.03	na	0.37	0.46

1. *Data is based on center of glass performance of representative factory production samples. Actual values may vary due to the production process and manufacturing tolerances. All tabulated data is based on NFRC methodology using the LBNL Window 7.3 software.*

2. *Transmittance and reflectance values based on spectrophotometric measurements and energy distribution of solar radiation.*

3. *U-Value – A measure of the insulating characteristics of the glass or how much heat gain or loss occurs through the glass due to the difference between indoor and outdoor temperatures and is measured Btu/hr•ft2•F. The lower the number, the better the insulating performance. This number is the reciprocal of the r-value. Winter argon represents the winter night-time u-value performance when the cavity is filled with a 90% argon/10% air/gas mixture.*

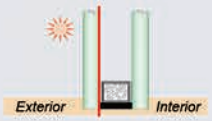
4. *Solar Heat Gain Coefficient (SHGC) – Measures how well a window blocks (or shades) the heat from sunlight. SHGC is the fraction of solar radiation transmitted through a window or skylight, as well as the amount that is absorbed by the glass and reradiated to the interior. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits and the greater the shading ability. The SHGC is similar to the Shading Coefficient (SC), but also accounts for absorbed, converted and inwardly radiated solar energy.*

5. *Light-to-solar gain (LSG) ratio is the ratio of visible light transmittance to solar heat gain coefficient.*

PRL GLASS SYSTEMS

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

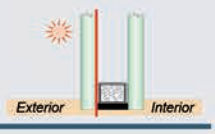
PERFORMANCE DATA- *Vitro® 1-inch Insulating Glass Unit*



Insulating Glass Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites								
Glass Type Outdoor Lite: Coating if Any (Surface) Glass + Indoor Lite: Coating if Any (Surface) Glass	**Visible Light Transmittance (VLT)[2]**	**Visible Light Reflectance[2]**		**(BTU/hr°ft²°F) NFRC U-Value[3]**		**Solar Heat Gain Coefficient (SHGC)[4]**	**Light-to-Solar Gain (LSG)[5]**
			Interior %	Winter Night-time	Winter Argon		
Uncoated							
CLEAR Glass + Clear	79	15	15	0.47	0.45	0.70	1.13
STARPHIRE®+ STARPHIRE	84	15	15	0.47	0.45	0.82	1.02
SOLEXIA®+ Clear	69	13	15	0.47	0.45	0.50	1.38
ATLANTICA®+ Clear	60	11	14	0.47	0.45	0.41	1.46
AZURIA®+ Clear	61	11	14	0.47	0.45	0.39	1.56
SOLARBLUE®+ Clear	50	9	13	0.47	0.45	0.49	1.02
PACIFICA®+ Clear	38	7	13	0.47	0.45	0.36	1.06
SOLARBRONZE®+ Clear	47	8	13	0.47	0.45	0.51	0.92
OPTIGRAY®+ Clear	56	10	13	0.47	0.45	0.52	1.08
SOLARGRAY®+ Clear	40	7	13	0.47	0.45	0.46	0.87
GRAYLITE®II + Clear	8	4	12	0.47	0.45	0.22	0.36
Coated							
SUNGATE® 400 Low-E Glass							
SUNGATE 400 (2) Clear + Clear	76	14	14	0.32	0.28	0.60	1.27
SUNGATE 400 (2) STARPHIRE + STARPHIRE	80	14	14	0.32	0.28	0.68	1.18
CLEAR + SUNGATE 400 (3) Clear	76	14	14	0.32	0.28	0.63	1.21
SOLEXIA + SUNGATE 400 (3) Clear	66	11	13	0.32	0.28	0.44	1.50
ATLANTICA + SUNGATE 400 (3) Clear	58	10	12	0.32	0.28	0.35	1.66
AZURIA + SUNGATE 400 (3) Clear	59	10	12	0.32	0.28	0.34	1.74
SOLARBLUE + SUNGATE 400 (3) Clear	48	8	12	0.32	0.28	0.42	1.14
PACIFICA + SUNGATE 400 (3) Clear	37	7	11	0.32	0.28	0.30	1.23
SOLARBRONZE + SUNGATE 400 (3) Clear	46	8	12	0.32	0.28	0.44	1.05
OPTIGRAY + SUNGATE 400 (3) Clear	54	9	12	0.32	0.28	0.46	1.17
SOLARGRAY + SUNGATE 400 (3) Clear	38	7	12	0.32	0.28	0.39	0.97
GRAYLITE II + SUNGATE 400 (3) Clear	8	4	11	0.32	0.28	0.15	0.53
SOLARBAN® 60 Solar Control Low-E Glass							
SOLARBAN 60 (2) Clear + Clear	70	11	12	0.29	0.24	0.39	1.79
SOLARBAN 60 (2) STARPHIRE + STARPHIRE	74	11	12	0.29	0.24	0.41	1.80
SOLARBAN 60 (2) SOLEXIA + Clear	61	9	12	0.29	0.24	0.32	1.91
SOLARBAN 60 (2) ATLANTICA + Clear	53	8	11	0.29	0.24	0.27	1.96
SOLARBAN 60 (2) AZURIA + Clear	54	8	11	0.29	0.24	0.28	1.93
SOLARBAN 60 (2) SOLARBLUE + Clear	45	7	11	0.29	0.24	0.28	1.61
SOLARBAN 60 (2) PACIFICA + Clear	34	6	10	0.29	0.24	0.22	1.55
SOLARBAN 60 (2) SOLARBRONZE + Clear	42	7	11	0.29	0.24	0.28	1.50
SOLARBAN 60 (2) OPTIGRAY + Clear	50	8	11	0.29	0.24	0.30	1.67
SOLARBAN 60 (2) SOLARGRAY + Clear	35	6	10	0.29	0.24	0.25	1.40
SOLEXIA + SOLARBAN 60 (3) Clear	61	10	10	0.29	0.24	0.37	1.65
ATLANTICA + SOLARBAN 60 (3) Clear	53	9	10	0.29	0.24	0.31	1.71
AZURIA + SOLARBAN 60 (3) Clear	54	9	10	0.29	0.24	0.31	1.74
SOLARBLUE + SOLARBAN 60 (3) Clear	45	7	9	0.29	0.24	0.33	1.36
PACIFICA + SOLARBAN 60 (3) Clear	34	6	9	0.29	0.24	0.25	1.36
SOLARBRONZE + SOLARBAN 60 (3) Clear	42	7	9	0.29	0.24	0.32	1.31
OPTIGRAY + SOLARBAN 60 (3) Clear	50	8	9	0.29	0.24	0.35	1.43
SOLARGRAY + SOLARBAN 60 (3) Clear	35	7	9	0.29	0.24	0.29	1.21
GRAYLITE II + SOLARBAN 60 (3) Clear	7	4	8	0.29	0.24	0.13	0.54

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

PERFORMANCE DATA- *Vitro® 1-inch Insulating Glass Unit*



Insulating Glass Unit Performance Comparisons 1-inch (25mm) units with 1/2-inch (13mm) airspace and two 1/4-inch (6mm) lites								
Glass Type Outdoor Lite: Coating if Any (Surface) Glass + Indoor Lite: Coating if Any (Surface) Glass	**Visible Light Transmittance (VLT)[2]**	**Visible Light Reflectance[2]**		**(BTU/hr°ft²°°F) NFRC U-Value[3]**		**Solar Heat Gain Coefficient (SHGC)[4]**	**Light-to-Solar Gain (LSG)[5]**
		Exterior %	Interior %	Winter Night-time	Winter Argon		
Uncoated							
VISTACOOL® Subtly Reflective Glass							
VISTACOOL (2) AZURIA + Clear	47	21	32	0.47	0.45	0.34	1.38
VISTACOOL (2) PACIFICA + Clear	29	11	31	0.47	0.45	0.32	0.91
SOLARCOOL® Reflective Glass							
SOLARCOOL (2) SOLEXIA + Clear	27	24	38	0.47	0.45	0.31	0.87
SOLARCOOL (2) AZURIA + Clear	24	20	38	0.47	0.45	0.25	0.96
SOLARCOOL (2) PACIFICA + Clear	15	10	38	0.47	0.45	0.25	0.60
SOLARCOOL (2) SOLARBLUE + Clear	20	15	38	0.47	0.45	0.32	0.63
SOLARCOOL (2) SOLARBRONZE + Clear	19	14	38	0.47	0.45	0.34	0.56
SOLARCOOL (2) SOLARGRAY + Clear	16	11	38	0.47	0.45	0.32	0.50
VISTACOOL® and SOLARCOOL® with SOLARBAN® 60 Solar Control Low-E (3)							
VISTACOOL (2) AZURIA + SOLARBAN 60 (3) Clear	42	20	24	0.29	0.24	0.26	1.62
VISTACOOL (2) PACIFICA + SOLARBAN 60 (3) Clear	26	11	23	0.29	0.24	0.21	1.24
SOLARCOOL (2) SOLEXIA + SOLARBAN 60 (3) Clear	24	24	29	0.29	0.24	0.19	1.26
SOLARCOOL (2) AZURIA + SOLARBAN 60 (3) Clear	21	19	29	0.29	0.24	0.17	1.24
SOLARCOOL (2) SOLARBLUE + SOLARBAN 60 (3) Clear	17	14	29	0.29	0.24	0.18	0.94
SOLARCOOL (2) PACIFICA + SOLARBAN 60 (3) Clear	13	10	29	0.29	0.24	0.15	0.87
SOLARCOOL (2) SOLARBRONZE + SOLARBAN 60 (3) Clear	17	14	29	0.29	0.24	0.18	0.94
SOLARCOOL (2) SOLARGRAY + SOLARBAN 60 (3) Clear	14	11	29	0.29	0.24	0.17	0.82

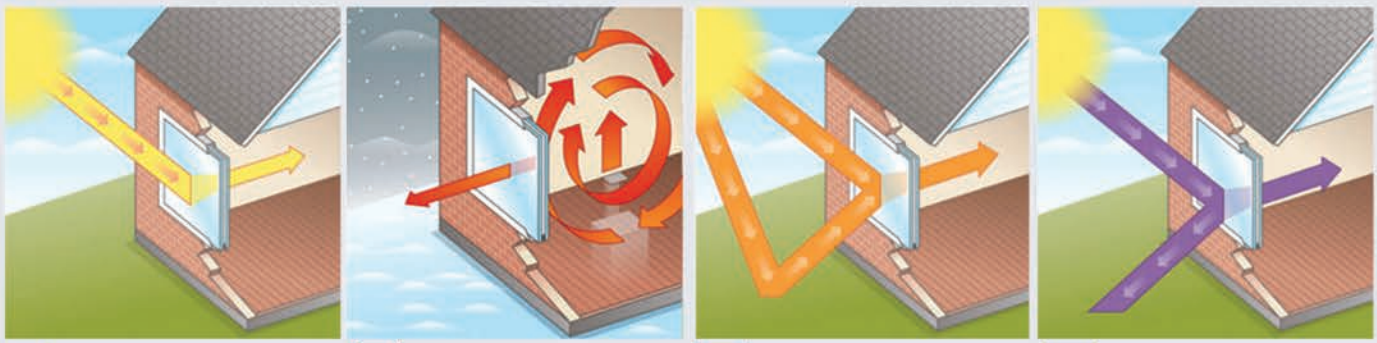
1. *Data is based on center of glass performance of representative factory production samples. Actual values may vary due to the production process and manufacturing tolerances. All tabulated data is based on NFRC methodology using the LBNL Window 7.3 software.*

2. *Transmittance and Reflectance values based on spectrophotometric measurements and energy distribution of solar radiation.*

3. *U-Value – A measure of the insulating characteristics of the glass or how much heat gain or loss occurs through the glass due to the difference between indoor and outdoor temperatures and is measured Btu/hr•ft2•∂F. The lower the number, the better the insulating performance. This number is the reciprocal of the R-value. Winter argon represents the winter night-time u-value performance when the cavity is filled with a 90% argon/10% air/gas mixture.*

4. *Solar Heat Gain Coefficient (SHGC) – Measures how well a window blocks (or shades) the heat from sunlight. SHGC is the fraction of solar radiation transmitted through a window or skylight, as well as the amount that is absorbed by the glass and reradiated to the interior. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits and the greater the shading ability. The SHGC is similar to the Shading Coefficient (SC), but also accounts for absorbed, converted and inwardly radiated solar energy.*

5. *Light-to-solar gain (LSG) ratio is the ratio of visible light transmittance to solar heat gain coefficient. Ultraviolet Energy (UV) – The percentage of incident ultraviolet energy that is directly transmitted through the glass. Long-term exposure to UV light may result in fabric and pigment fading, plastic deterioration and changes to the appearance of many types of carpet and wood.*

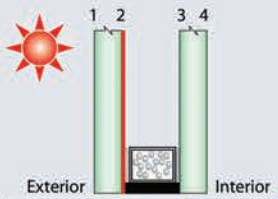


Visible Light Transmittance (2) *U-Value (3)* *Solar Heat Gain Coefficient (4)* *Ultraviolet Energy (5)*

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

SUNGUARD®

Advanced Architectural Glass



PERFORMANCE DATA – SUPERNEUTRAL

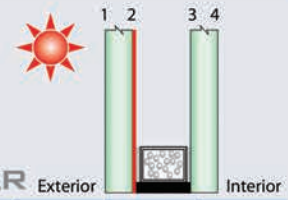
Product	Outboard - Inboard Substrate	Appearance	Transmittance			Reflectance			U-Value Winter Nighttime		Relative Heat Gain	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
			Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Air	Argon			
SunGuard SuperNeutral					Coating #2 Surface							6 mm/12.7 mm a.s./6 mm	
SNX 62/27	UltraClear - UltraClear	Ultra Clear	**64**	8	24	11	13	51	0.29	0.24	65	**0.27**	2.40
	Clear - Clear	Clear	**62**	6	23	11	12	39	0.29	0.24	65	**0.27**	2.31
	Green - Clear	Green	**52**	3	18	9	12	10	0.29	0.24	59	**0.24**	2.13
	TwilightGreen - Clear	Dark Green	**46**	2	16	8	11	8	0.29	0.24	54	**0.22**	2.08
	CrystalGray - Clear	Light Gray	**44**	3	16	8	11	19	0.29	0.24	54	**0.22**	1.98
	Gray - Clear	Gray	**31**	3	12	6	11	19	0.29	0.24	45	**0.18**	1.71
	CrystalBlue - Clear	Blue	**40**	4	15	7	11	25	0.29	0.24	51	**0.21**	1.91
SNX 51/23	UltraClear - UltraClear	Light Blue	**53**	14	20	14	14	46	0.29	0.24	57	**0.23**	2.28
	Clear - Clear	Light Blue	**51**	11	19	14	14	36	0.29	0.24	57	**0.23**	2.19
	Green - Clear	Blue-Green	**43**	5	15	11	13	10	0.29	0.24	52	**0.22**	1.99
	TwilightGreen - Clear	Dark Green	**38**	3	13	10	13	8	0.29	0.24	49	**0.20**	1.93
	CrystalGray - Clear	Light Gray	**36**	6	14	9	13	18	0.29	0.24	48	**0.20**	1.85
	Gray - Clear	Gray	**26**	5	10	7	13	17	0.29	0.24	41	**0.16**	1.57
	CrystalBlue - Clear	Blue	**33**	7	13	9	13	23	0.29	0.24	46	**0.19**	1.78
SN 68	UltraClear - UltraClear	Ultra Clear	**71**	40	37	11	13	43	0.29	0.25	94	**0.39**	1.80
	Clear - Clear	Clear	**68**	30	33	11	12	33	0.29	0.25	90	**0.38**	1.80
	Green - Clear	Green	**57**	13	23	9	12	9	0.29	0.25	72	**0.30**	1.92
	TwilightGreen - Clear	Dark Green	**51**	9	20	8	11	7	0.29	0.25	64	**0.27**	1.93
	CrystalGray - Clear	Light Gray	**48**	17	23	8	11	16	0.29	0.25	71	**0.30**	1.64
	Gray - Clear	Gray	**34**	13	18	6	11	16	0.29	0.25	61	**0.25**	1.37
	CrystalBlue - Clear	Blue	**44**	19	23	7	11	21	0.29	0.25	70	**0.29**	1.51
SN 54	UltraClear - UltraClear	Ultra Clear	**56**	22	26	13	19	44	0.29	0.24	69	**0.29**	1.96
	Clear - Clear	Clear	**54**	16	24	13	18	35	0.29	0.24	68	**0.28**	1.92
	Green - Clear	Green	**45**	7	17	11	18	10	0.29	0.24	58	**0.24**	1.89
	TwilightGreen - Clear	Dark Green	**41**	4	15	10	18	8	0.29	0.24	53	**0.22**	1.86
	CrystalGray - Clear	Light Gray	**38**	9	17	9	18	17	0.29	0.24	56	**0.23**	1.67
	Gray - Clear	Gray	**27**	7	13	7	17	16	0.29	0.24	48	**0.19**	1.40
	CrystalBlue - Clear	Blue	**35**	10	16	8	17	22	0.29	0.24	54	**0.22**	1.57
SNR 43	UltraClear - UltraClear	Light Silver	**45**	24	21	28	14	54	0.29	0.24	56	**0.23**	1.96
	Clear - Clear	Light Silver	**43**	17	19	28	14	43	0.29	0.24	56	**0.23**	1.89
	Green - Clear	Green	**36**	8	14	21	14	14	0.29	0.24	50	**0.20**	1.78
	TwilightGreen - Clear	Dark Green	**32**	5	12	18	14	11	0.29	0.24	46	**0.19**	1.73
	CrystalGray - Clear	Silver Gray	**31**	9	13	16	14	21	0.29	0.24	47	**0.19**	1.59
	Gray - Clear	Silver Gray	**22**	8	10	10	13	19	0.29	0.24	41	**0.17**	1.31
	CrystalBlue - Clear	Silver Blue	**28**	11	13	14	13	26	0.29	0.24	46	**0.19**	1.50

NOTES RELATED TO ALL SUNGUARD PERFORMANCE TABLES:

- The performance values shown are nominal and subject to variations due to manufacturing tolerances.
- All coatings are on the #2 surface unless noted otherwise.
- Guardian performance data are calculated for center-of-glass only (no spacer or framing) in accordance with the LBNL Window 7 program.
- Relative Heat Gain, Solar Heat Gain Coefficient and/or LSG may change slightly when using argon gas fill.
- Glass may require heat strengthening or tempering to resist potential thermal stresses. SNR 43 must be heat-treated.
- A slight shift in visible light reflectance or transmission may be noticed after heat-treatment.
- Guardian recommends edge deletion for all commercial low-E coatings.
- Guardian Glass reserves the right to change product performance characteristics without notice or obligation.

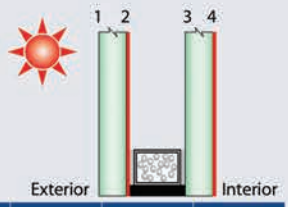
SUNGUARD®

Advanced Architectural Glass



PERFORMANCE DATA – HIGH PERFORMANCE & SOLAR

Product	Outboard - Inboard Substrate	Appearance	Transmittance			Reflectance			U-Value Winter Nighttime		Relative Heat Gain	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
			Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Air	Argon			
SunGuard High Performance			Coating #2 Surface - except where noted (#3)								6 mm/12.7 mm a.s./6 mm		
Neutral 78/65 (#3)	UltraClear - UltraClear	Ultra Clear	**81**	54	66	13	13	23	0.31	0.27	171	**0.72**	1.12
	Clear - Clear	Clear	**78**	39	55	13	13	19	0.31	0.27	156	**0.66**	1.18
Neutral 78/65	UltraClear - UltraClear	Ultra Clear	**81**	54	66	13	13	22	0.31	0.27	160	**0.68**	1.19
	Clear - Clear	Clear	**78**	39	55	13	13	18	0.31	0.27	147	**0.62**	1.26
Neutral 61	Clear - Clear	Neutral Pewter	**60**	31	37	21	14	29	0.30	0.26	101	**0.42**	1.42
	Green - Clear	Green	**50**	13	23	16	13	11	0.30	0.26	72	**0.30**	1.69
Neutral 50	Clear - Clear	Neutral Blue	**50**	31	32	16	11	20	0.33	0.29	95	**0.39**	1.27
	Green - Clear	Green	**42**	13	20	13	10	9	0.33	0.29	68	**0.28**	1.50
Neutral 40	Clear - Clear	Neutral Gray	**40**	27	25	21	12	23	0.33	0.29	78	**0.32**	1.25
	Green - Clear	Green	**34**	11	16	16	12	10	0.33	0.29	59	**0.24**	1.40
AG 50	UltraClear - UltraClear	Light Silver	**52**	43	33	28	19	41	0.30	0.25	86	**0.36**	1.45
	Clear - Clear	Light Silver	**50**	30	29	27	19	34	0.30	0.25	82	**0.34**	1.48
	Green - Clear	Green	**42**	12	18	21	18	13	0.30	0.25	61	**0.25**	1.66
	CrystalGray - Clear	Silver Gray	**35**	16	20	16	18	18	0.30	0.25	64	**0.26**	1.34
	Gray - Clear	Silver Gray	**25**	12	16	10	18	16	0.30	0.25	57	**0.23**	1.08
	CrystalBlue - Clear	Silver Blue	**32**	17	20	14	18	21	0.30	0.25	65	**0.27**	1.20
AG 43	UltraClear - UltraClear	Light Silver	**45**	38	30	30	15	40	0.30	0.26	80	**0.33**	1.34
	Clear - Clear	Light Silver	**43**	26	26	30	15	33	0.30	0.26	76	**0.31**	1.37
	Green - Clear	Green	**36**	11	16	22	15	13	0.30	0.26	57	**0.23**	1.55
	CrystalGray - Clear	Silver Gray	**30**	14	18	17	14	18	0.30	0.26	60	**0.25**	1.23
	Gray - Clear	Silver Gray	**21**	11	15	11	14	15	0.30	0.26	54	**0.22**	0.98
	CrystalBlue - Clear	Silver Blue	**28**	15	18	15	14	20	0.30	0.26	61	**0.25**	1.10
SunGuard Solar													
Silver 20	Clear - Clear	Silver	**18**	16	14	30	30	26	0.37	0.33	56	**0.22**	0.81
	Green - Clear	Silver Green	**15**	7	8	23	30	12	0.37	0.33	46	**0.18**	0.83



PERFORMANCE DATA WITH SUNGUARD IS 20

Product	Outboard - Inboard Substrate	Appearance	Transmittance			Reflectance			U-Value Winter Nighttime		Relative Heat Gain	Solar Heat Gain Coefficient	Light to Solar Gain (LSG)
			Visible Light %	Ultra-violet %	Solar Energy %	Visible Light Out %	Visible Light In %	Solar Energy Out %	Air	Argon			
SunGuard SuperNeutral + IS 20			Coating #2 & IS 20 #4 Surface								6 mm/12.7 mm a.s./6 mm		
SNX 62/27 + IS 20	UltraClear - UltraClear	Ultra Clear	**62**	8	24	12	13	51	0.23	0.20	62	**0.26**	2.41
	Clear - Clear	Clear	**60**	6	22	12	13	40	0.23	0.20	62	**0.26**	2.33
SNX 51/23 + IS 20	UltraClear - UltraClear	Light Blue	**51**	13	20	14	14	46	0.23	0.20	54	**0.22**	2.31
	Clear - Clear	Light Blue	**50**	10	18	14	14	36	0.23	0.20	54	**0.22**	2.23
SN 68 + IS 20	UltraClear - UltraClear	Ultra Clear	**69**	37	36	12	13	43	0.24	0.20	91	**0.38**	1.80
	Clear - Clear	Clear	**66**	29	32	12	13	33	0.24	0.20	87	**0.36**	1.82
SN 54 + IS 20	UltraClear - UltraClear	Ultra Clear	**54**	20	25	14	19	44	0.24	0.20	67	**0.28**	1.97
	Clear - Clear	Clear	**52**	15	23	14	19	35	0.24	0.20	65	**0.27**	1.94
SNR 43 + IS 20	UltraClear - UltraClear	Light Silver	**43**	22	20	29	15	54	0.23	0.20	54	**0.22**	1.97
	Clear - Clear	Light Silver	**42**	17	18	28	15	43	0.23	0.20	53	**0.22**	1.92

NOTES SPECIFIC TO THE SUNGUARD SUPERNEUTRAL w/IS 20 TABLE ABOVE:

- SunGuard IS 20 is on the #4 surface.
- SunGuard IS 20 is also available with SunGuard High Performance and Solar products.

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

FIRE RESISTANT GLASS

Think Clear. Think Big. Think Keralite.

KERALITE® FILMED
Fire-Rated Safety Glass Ceramic

- 3/16" thick glass ceramic
- 20-90,180 minute fire rating
- Installs into standard fire rated frames
- Protects from smoke & flames
- 88% visible Light transmission

KERALITE® LAMINATED
Fire-Rated Laminated Safety Glass Ceramic

- 5/16" thick glass ceramic
- 20-90,180 minute fire rating
- Installs into standard fire rated frames
- Protects from smoke & flames
- 82% visible Light transmission

Fire Rated Glass Applications:
- Schools
- Healthcare Facilities
- Government Buildings
- Hospitality Projects

FIRE RESISTANT GLASS- *Keralite® Features*

The best in class glass ceramic features:

- The largest extended-size glass ceramic available
- Lowest haze
- Highest color rendering index
- Fastest in the industry
- Superior Customer Service

KERALITE®
Fire Rated Glass

Note: Samples shown are for illustration purposes only, colors may vary from actual samples. Performance data is available upon request. Please consult PRL for details and availability.

Entrance Door with Keralite Fire Rated Laminated Glass

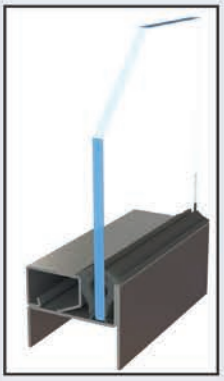
Stadium Entrance System with Keralite Fire Rated IG Units

KERALITE® FILMED

Fire-Rated Safety Glass Ceramic

CLASSIFICATION

PRODUCT FEATURES



TECHNICAL SPECIFICATIONS

Fire Rating	20-90, 180 Minute
US Testing	Listed and labeled with Underwriters Laboratories Inc. File #R14515 Tested in accordance with UL 9, UL 10B, UL 10C, NFPA 80, NFPA 252, NFPA 257
Canadian Testing	CAN/ULC-S106, S104
Impact Safety Rating	CPSC 16CFR Part 1201 (CATEGORIES I & II), ANSI Z97.1, CAN/CGSB-12.1-M
Nominal Thickness	3/16" (5 mm)
Thickness Tolerance	+1/64" to -1/64" (+0.4 mm to -0.4 mm)
U value BTU/(hr*sqft*degF)	0.88
STC Rating	35
Weight (lbs/sq ft.)	2.4
Approx. Visible Light Transmission	86%

AUTHORIZED DIMENSIONS

	WINDOW/TRANSOM/SIDELIGHT			DOOR - NON-TEMPERATURE RISE			DOOR - TEMPERATURE RISE		
RATING	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)
20	4,500	95-3/8	95-3/8	3,627	46-1/2	78	N/A		
45	4,500	95-3/8	95-3/8	3,627	46-1/2	78	N/A		
60	4,500	95-3/8	95-3/8	3,627	46-1/2	78	100	10	33
90	4,500	95-3/8	95-3/8	3,627	46-1/2	76	100	10	33
180	N/A			N/A			100	10	33

Maximum sheet size for this product is 46" x 96".
Height multiplied by width cannot exceed maximum exposed area.

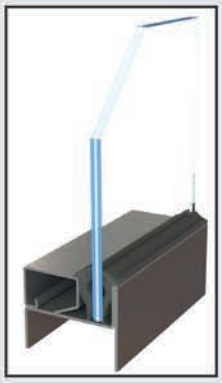
Rev. 1.1.16 The information published in this document is correct at the time of going to press. Such information may be subject to change and products may be modified.

KERALITE® LAMINATED

Fire-Rated Laminated Safety Glass Ceramic

CLASSIFICATION

PRODUCT FEATURES



TECHNICAL SPECIFICATIONS

Fire Rating	20-90, 180 Minute
US Testing	Listed and labeled with Underwriters Laboratories Inc. File #R14515 Tested in accordance with UL 9, UL 10B, UL 10C, NFPA 80, NFPA 252, NFPA 257
Canadian Testing	CAN/ULC-S106, S104
Impact Safety Rating	CPSC 16CFR Part 1201 (CATEGORIES I & II). ANSI Z97.1, CAN/CGSB-12.1-M
Nominal Thickness	5/16" (8 mm)
Thickness Tolerance	+1/64" to -1/64" (+0.4 mm to -0.4 mm)
U value BTU/(hr*sqft*degF)	0.88
STC Rating	37
Weight (lbs/sq ft.)	4.1
Approx. Visible Light Transmission	82%

AUTHORIZED DIMENSIONS

	WINDOW/TRANSOM/SIDELIGHT			DOOR - NON-TEMPERATURE RISE			DOOR -TEMPERATURE RISE		
RATING	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)	AREA (Max.)	WIDTH (Max.)	HEIGHT (Max.)
20	4,500	95-3/8	95-3/8	3,627	46-1/2	78	N/A		
45	4,500	95-3/8	95-3/8	3,627	46-1/2	78	N/A		
60	4,500	95-3/8	95-3/8	3,627	46-1/2	78	100	10	33
90	4,500	95-3/8	95-3/8	3,627	46-1/2	76	100	10	33
180	N/A			N/A			100	10	33

Maximum sheet size for this product is 44" x 96".
Height multiplied by width cannot exceed maximum exposed area.

Rev. 1.1.16 The information published in this document is correct at the time of going to press. Such information may be subject to change and products may be modified.

HEAVY TEMPERED GLASS OUR SPECIALTY

Unlimited Glass Applications

PRL Tempering Oven
Maximum Glass Sizes:

1. 110" x 198"
2. 96" x 172"
3. 84" x 184"
4. 60" x 120"

Oversize Fixed Panels with 3/4" Tempered Glass

HEAVY TEMPERED GLASS- *Features*

Tempered glass is much more resistant to breakage than non-tempered glass. If the glass breaks, the glass disintegrates into relatively small pieces, which are less likely to cause serious injury. Our most common tempered glass applications are for entrance doors, storefront, railing, balconies, etc.

- Maximum Tempering Oven Glass Size **110" x 198"**
- Convection Tempering System (specializes in Soft Coat Low-E)
- Tempers from 1/8"- 3/4"
- Superior Quality
- High production capability with 4 Tempering Ovens

**Consult PRL for Details*

Heavy Tempered Frameless Glass Storefront

Glass Wall System with Full Frame Entrance Doors

TVS System with Tempered Sidelites & Spandrel Column Covers

Segmented P-Style Entrance System with PL-150DS Dryset Rails & Ladder Pulls

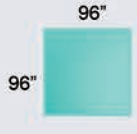
HEAVY TEMPERED GLASS- *Windload Deflection*

WINDLOAD CHART- Pounds per Square Footage

		5 Lbs. per Sq. Ft. *(aprox. 45 MPH)*			10 Lbs. per Sq. Ft. *(aprox. 63 MPH)*			15 Lbs. per Sq. Ft. *(aprox. 77 MPH)*			20 Lbs. per Sq. Ft. *(aprox. 88 MPH)*		
	Glass Thk.	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**
Unsupported Span in Inches	**60**	0.12	0.05	0.026	0.25	0.10	0.031	0.38	0.16	0.047	0.50	0.21	0.06
	65	0.17	0.07	0.035	0.35	0.14	0.044	0.52	0.21	0.06	0.70	0.30	0.09
	70	0.24	0.10	0.051	0.47	0.20	0.058	0.70	0.30	0.09	0.94	0.40	0.12
	75	0.31	0.13	0.66	0.62	0.26	0.078	0.93	0.39	0.116	1.28	0.52	0.15
	80	0.40	0.17	0.087	0.80	0.34	0.10	1.20	0.51	0.15	1.60	0.68	0.20
	85	0.51	0.21	0.11	1.02	0.43	0.13	1.54	0.65	0.19	2.04	0.86	0.25
	90	0.65	0.28	0.14	1.29	0.55	0.16	1.93	0.81	0.24	2.57	1.08	0.33
	95	0.80	0.34	0.17	1.59	0.67	0.20	2.39	1.00	0.30	3.19	1.35	0.40
	100	0.97	0.41	0.21	1.95	0.82	0.24	2.92	1.24	0.36	3.91	1.65	0.49
	105	1.19	0.50	0.26	2.37	1.00	0.30	3.57	1.51	0.44	4.76	2.00	0.60
	110	1.43	0.59	0.30	2.86	1.18	0.35	4.30	1.80	0.53	5.73	2.41	0.71
	115	1.71	0.72	0.36	3.42	1.44	0.42	5.13	2.17	0.64	6.83	2.89	0.86
	120	2.02	0.85	0.44	4.05	1.71	0.51	6.09	2.57	0.76	8.12	3.43	1.01
	125	2.79	1.18	0.60	5.58	2.35	0.70	8.39	3.53	1.05	11.18	4.71	1.40
	130	3.75	1.58	0.80	7.50	3.16	0.94	11.28	4.76	1.41	15.04	6.35	1.88
	140	4.94	2.08	1.06	9.88	4.16	1.24	14.86	6.27	1.86	19.80	8.37	2.47

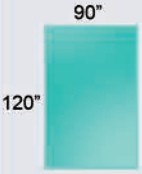
		25 Lbs. per Sq. Ft. *(aprox. 98 MPH)*			30 Lbs. per Sq. Ft. *(aprox. 108 MPH)*			35 Lbs. per Sq. Ft. *(aprox. 118 MPH)*			40 Lbs. per Sq. Ft. *(aprox. 125 MPH)*		
	Glass Thk.	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**	**3/8**	**1/2**	**3/4**
Unsupported Span in inches	**60**	0.63	0.02	0.079	0.76	0.31	0.09	0.89	0.37	0.111	1.01	0.42	0.13
	65	0.87	0.37	0.11	1.05	0.44	0.13	1.22	0.52	0.152	1.40	0.59	0.174
	70	1.18	0.49	0.14	1.41	0.60	0.17	1.64	0.70	0.20	1.87	0.79	0.24
	75	1.55	0.65	0.19	1.85	0.78	0.24	2.17	0.91	0.26	2.48	1.03	0.30
	80	1.99	0.84	0.24	2.40	1.01	0.30	2.80	1.18	0.35	3.20	1.36	0.40
	85	2.55	1.08	0.32	3.06	1.29	0.38	3.58	1.51	0.44	4.09	1.72	0.51
	90	3.21	1.36	0.40	3.85	1.63	0.48	4.49	1.89	0.56	5.13	2.17	0.64
	95	3.99	1.68	0.50	4.78	2.02	0.60	5.58	2.35	0.70	6.37	2.69	0.80
	100	4.88	2.06	0.61	5.87	2.48	0.73	6.85	2.89	0.86	7.82	3.30	0.98
	105	5.95	2.51	0.74	7.14	3.0	0.89	8.33	3.52	1.04	9.52	4.01	1.19
	110	7.16	3.02	0.89	8.59	3.63	1.08	10.02	4.23	1.26	11.46	4.84	1.43
	115	8.56	3.61	1.07	10.27	4.33	1.28	11.98	5.05	1.50	13.70	5.78	1.71
	120	10.14	4.47	1.27	12.18	5.13	1.52	14.21	5.99	1.77	16.24	6.85	2.02
	125	13.97	5.69	1.74	16.78	7.08	2.09	19.56	8.25	2.44	22.36	9.44	2.79
	130	18.79	7.93	2.35	22.56	9.52	2.82	26.31	11.10	3.29	30.07	12.69	3.76
	140	24.76	10.45	3.10	29.73	12.5	3.72	35.46	14.62	4.33	39.62	16.72	4.95

The windload Chart is valid for panels of tempered glass supported top and bottom
Please check with local building codes for allowable deflection
Only when a third side of panel is supported the following applies:



Where: Width = Height or Width > Height
Deflection = Figure shown in Chart
Example Deflection @ 15 LBS. Wind load:
½" Glass = 1.0
¾" Glass = .30

Where: Width = ½ Height or Width = Less than ½ Height
Deflection = ½ Figure shown in Chart
Example Deflection @ 15 LBS. Wind load:
½" Glass = 2.57 ÷ 2 = 1.29
¾" Glass = 0.76 ÷ 2 = 0.38



Where: Width = Between ½ Height to Equal to Height
Deflection = Figure shown on chart X (Ratio of width ÷ Height)
Example Deflection @ 15 LBS. Wind load:
½" Glass = 2.57 (90 ÷ 120) = 1.93
¾" Glass = 0.76 (90 ÷ 120) = 0.57

Note: For use to determine approximate deflection for precise performance data please consult a structural engineer

HEAVY TEMPERED GLASS- *Tolerances*

MAXIMUM TOLERANCES OVERALL BOW & WARP

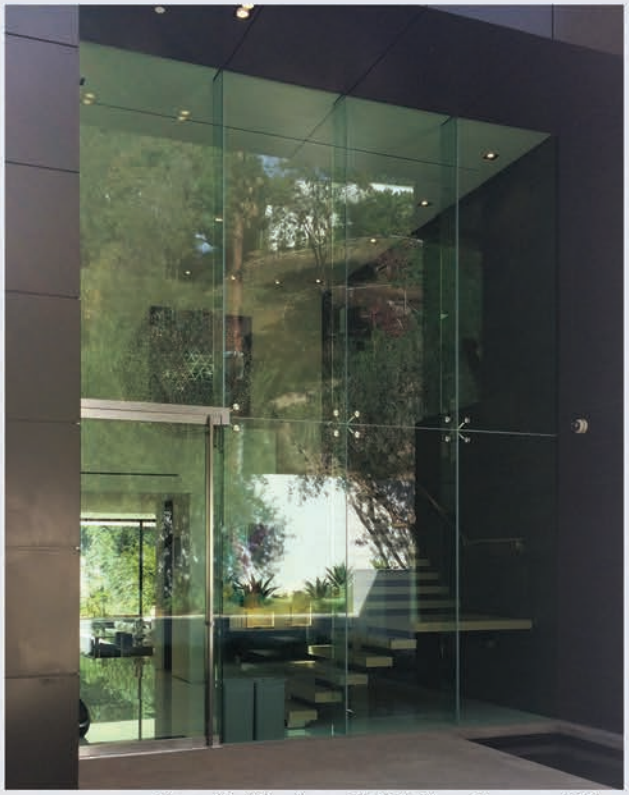
Length of Edge	Glass Thickness					
	1/8"	3/16“	1/4”	5/16"	3/8"	1/2" - 7/8”
0-20"	1/8"	1/8”	1/16”	1/16"	1/16"	1/64"
>20" - 35”	5/32"	5/32“	1/8”	1/16"	1/16"	1/16"
>35 "- 47"	3/16"	3/16”	5/32"	1/8"	1/16"	1/16"
>47" - 59"	9/32"	9/32“	3/16"	5/32"	5/32"	1/16"
>59" - 71"	11/32"	11/32”	9/32"	3/16"	3/16"	5/32"
>71" - 83"	1/2"	1/2“	11/32"	1/4"	1/4"	3/16"
>83" - 94"	9/16"	9/16”	1/2"	5/16"	9/32"	3/16"
>94" - 106"	11/16”	11/16“	9/16"	3/8"	5/16"	9/32"
>106" - 118"	3/4	3/4”	11/16“	17/32"	1/2"	3/8"
>118" - 130"	...	...	3/4”	5/8"	9/16"	1/2"
>130" - 146"	...	...	7/8"	11/16"	11/16"	9/16“
>146” - 158”	...	...	1	13/16”	3/4“	11/16”

All Tempered Glass Tiffany Slider with Ladder Pulls

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

HEAVY TEMPERED GLASS- *Hole Fabrication*

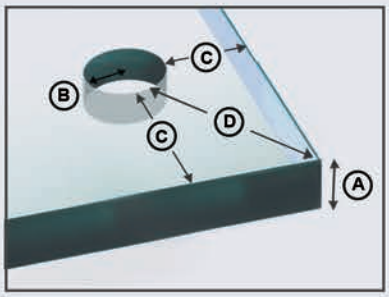
Handrail System with Tempered Laminated SentryGlas®



Glass Wall System with 3/4 Clear Tempered Glass

HOLE FABRICATION PRIOR TO TEMPERING

Glass Thickness: (A)	Min. Hole Size (Diameter) (B).	Minimum Distance from Edge (C)	Minimum 45 Diagonal Distance to Corner (D)
1/8”	1/8”	3/16”	7/8”
3/16”	3/16”	5/16”	1 1/4”
7/32”	7/32”	3/8”	1 7/16”
1/4”	1/4”	3/8”	1 5/8”
3/8”	3/8”	9/16”	2 7/16”
1/2”	1/2”	3/4”	3 1/4”
3/4”	3/4”	1 1/2”	4 7/8”

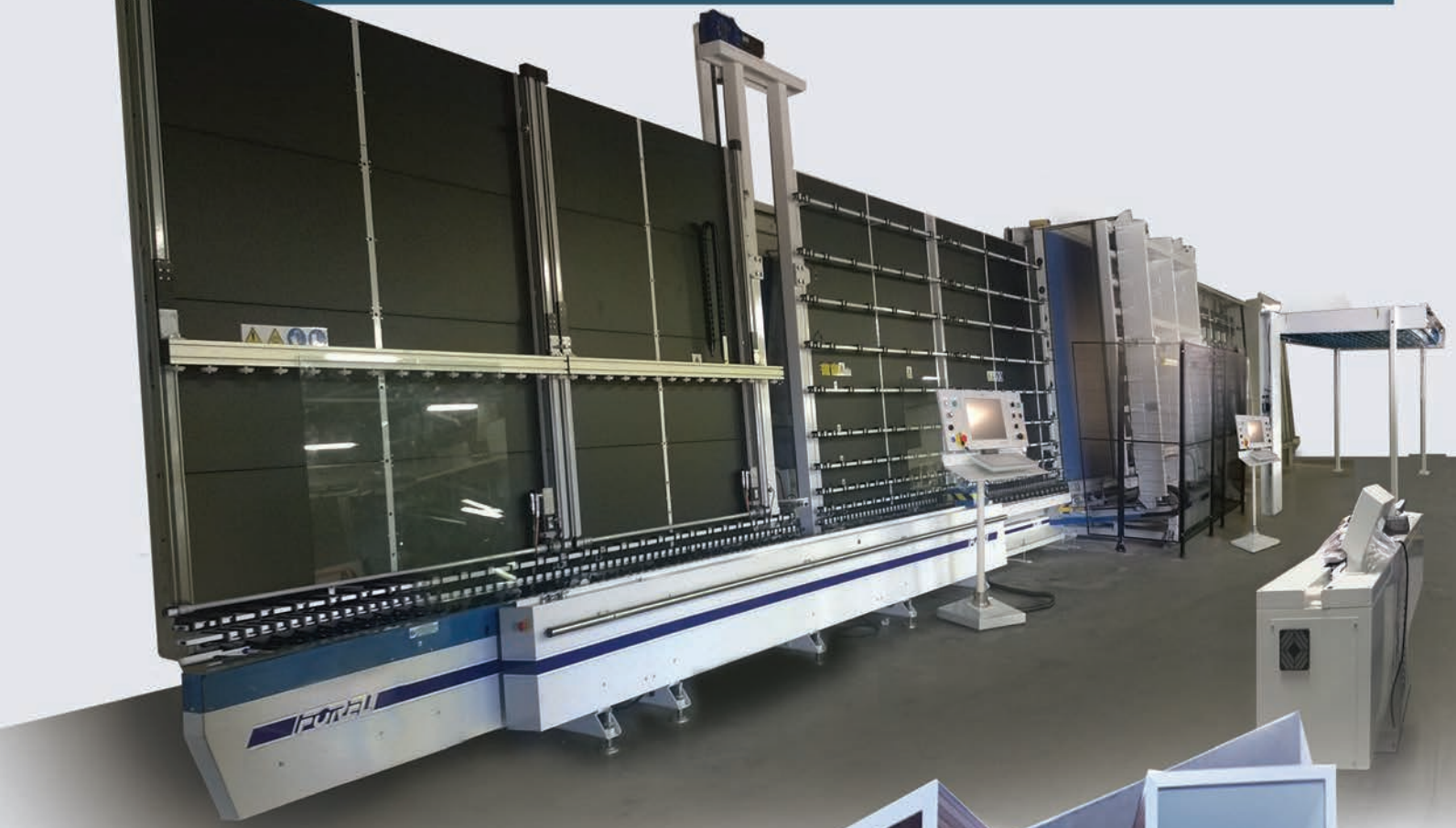


Glass cannot be tempered if the holes do not meet the minimum dimensions shown on the graph above.

If the holes are closer than dimension in chart, it can be tempered if relief cut is acceptable.

INSULATING GLASS UNITS

PRL I.G. Units are a High Quality, Total Energy Performance Product that Translates into Reduced Energy Cost and Increased Comfort.



Insulating Glass Units are manufactured in TWO state of the art Vertical IG production lines to offer you the highest quality available in today's market.

PRL Insulating Glass Units can be composed of two or more sheets of float or coated glass. Providing heat or cold insulation, condensation and sound control.

IG Unit line capabilities

- Max. sizes 98"x 137"
- Min. size 6" x 6"
- Lead-times are 2 to 3 working days
- 24-hour service available upon request
- Thickness from 1/2" to 1 1/2 "

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com

INSULATING GLASS UNITS- *Features & Guidelines*

PRL Insulating Glass(IG) Units or "double-pane" glass are used in residential, commercial and industrial construction. IG Units are required by building codes in many areas as a mandatory energy conservation measure. All our IG units are hermetically sealed combinations of two or more lites of glass separated by a dry airspace. IG units improve thermal performance, significantly reducing heating and air conditioning costs.

Total energy performance units features:

Dual seal

Primary seal, butyl

Secondary seal, polysulfide / silicone

Argon gas-fill (optional)

3/16"-3/4" Aluminum spacer with integral desiccant

1/8"-1/2" Glass thicknesses

Unit thickness from 1/2" inches to 1 1/2" inches

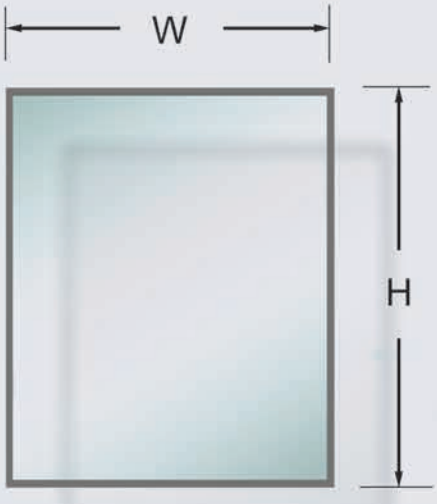
Applications

Insulating glass helps to maintain inside room temperature while saving energy- Residential or Commercial.

Insulating glass can also be used to assist in noise reduction. Insulated glass made with laminated glass offers excellent sound control.

IG SIZE CHART

GLASS THICKNESS	AIR SPACER	MAX SQ FT
1/8" (DSB)	3/16"	9
	1/4"	14
	3/8" & up	18
3/16"	1/4"	25
	3/8" & up	30
1/4"	1/4"	30
	3/8"	35
	1/2"	50
	5/8"	60
	3/4"	65



All Units over 50 sq ft must be tempered. All units over these guidelines will not be warrantied and must be approved on a case by case basis.

INSULATING GLASS UNITS- *Spacers & Grids*

- Standard Spacers available in 3/16" - 3/4" in either clear or bronze
- Standard Grids (5/8" & 3/4" in either white or bronze)
- Sculptured grids available (5/16" x 1" White)

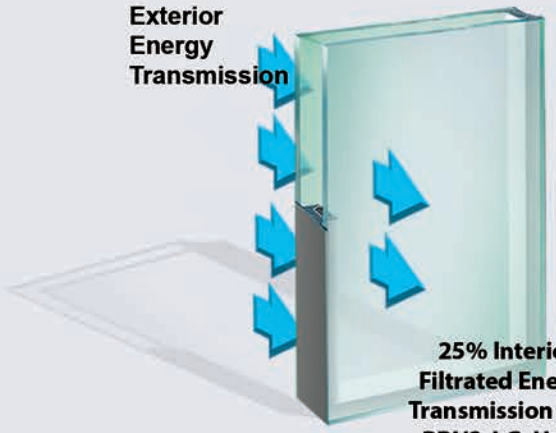
Grids

Shapes

Sculptured Grid

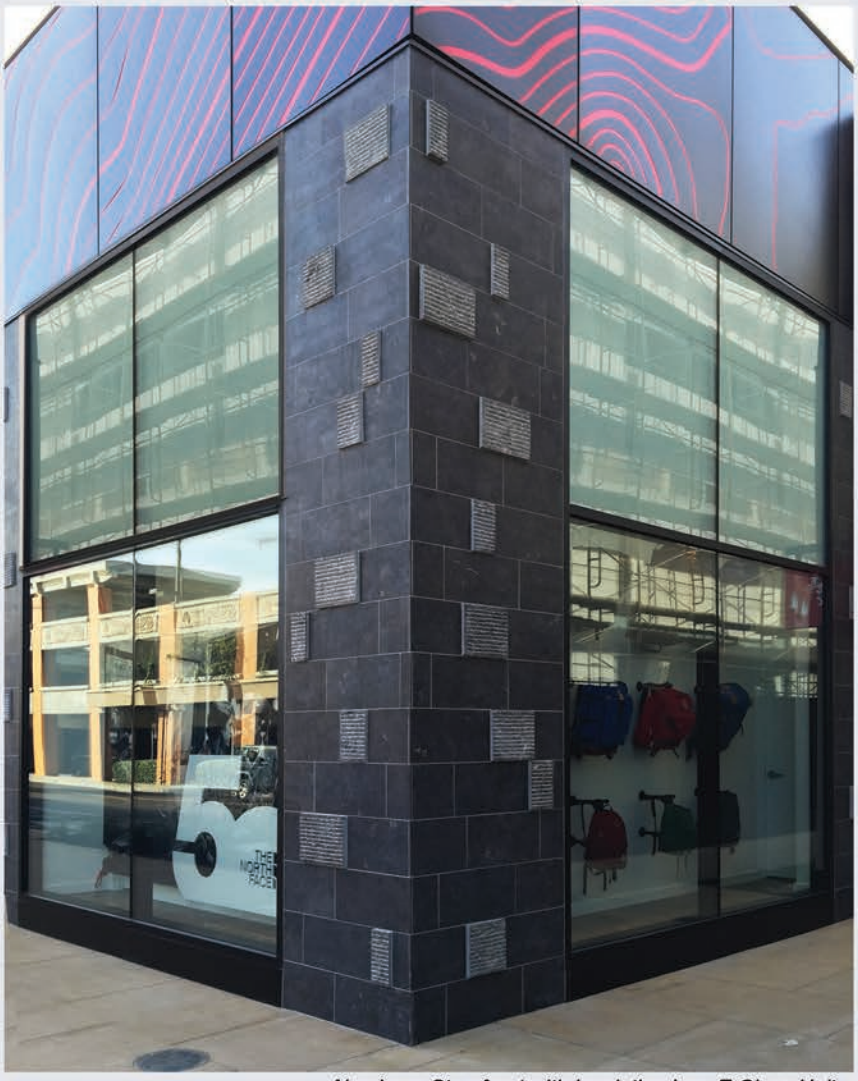
Standard Grid

100% Exterior Energy Transmission



25% Interior Filtrated Energy Transmission thru PRL'S I.G. Unit*

**Graph for illustration only. Actual performance depends on the particular make-up of each unit.*



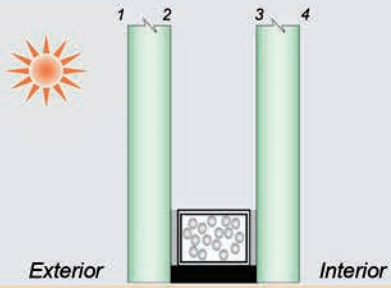
Aluminum Storefront with Insulating Low-E Glass Unit

INSULATING GLASS UNITS- *Applications*

90 Degree Max Aluminum Slider with Low E Glass IG Units

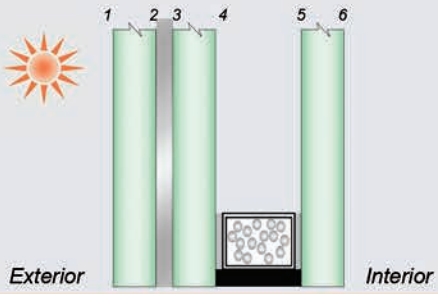
Aluminum Storefront with IG Units

INSULATING GLASS UNITS- *Glass Combinations*

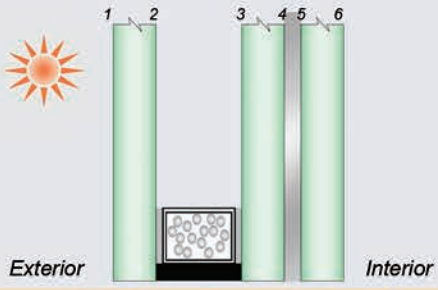


Double-Glazed IG Unit

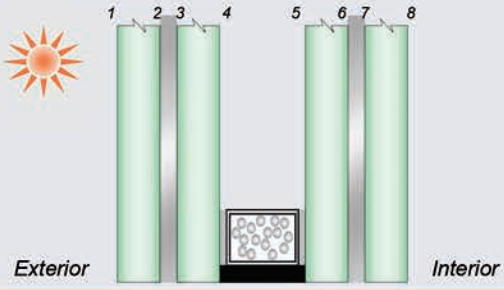
Triple-Glazed IG Unit



IG Unit Laminated Outboard



IG Unit Laminated Inboard



IG Unit Laminated Inboard/Outboard

Aluminum Curtainwall with Reflective Glass IG Units

Max' Aluminum Slider with Solarban 60 Low-E Glass IG Units

Aluminum Storefront with Reflective Glass IG Units

LAMINATED GLASS

Offers Unlimited Glass Make-up Possibilities to Perfectly Fit your Project's Needs

Laminated Glass with White SentryGlas®

ENDLESS LAMINATED GLASS POSSIBILITIES

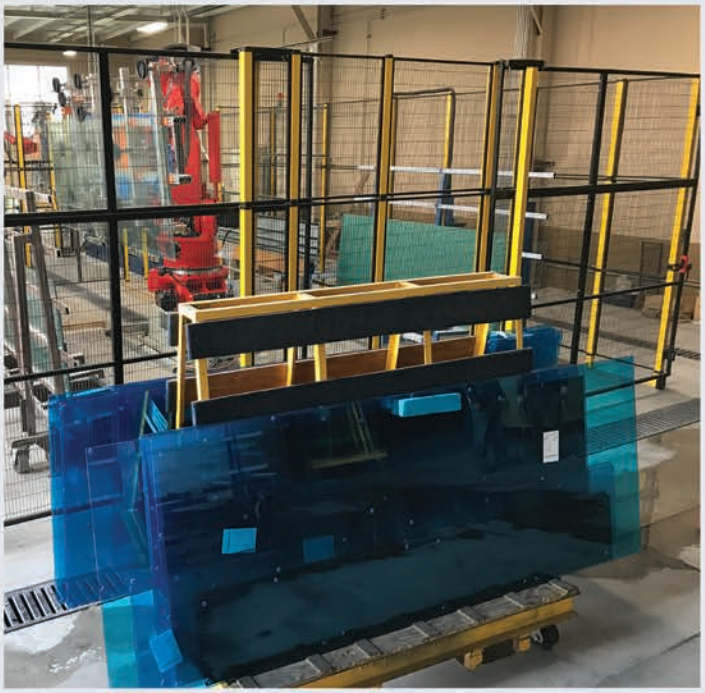
PRL GLASS SYSTEMS

(800) 433-7044

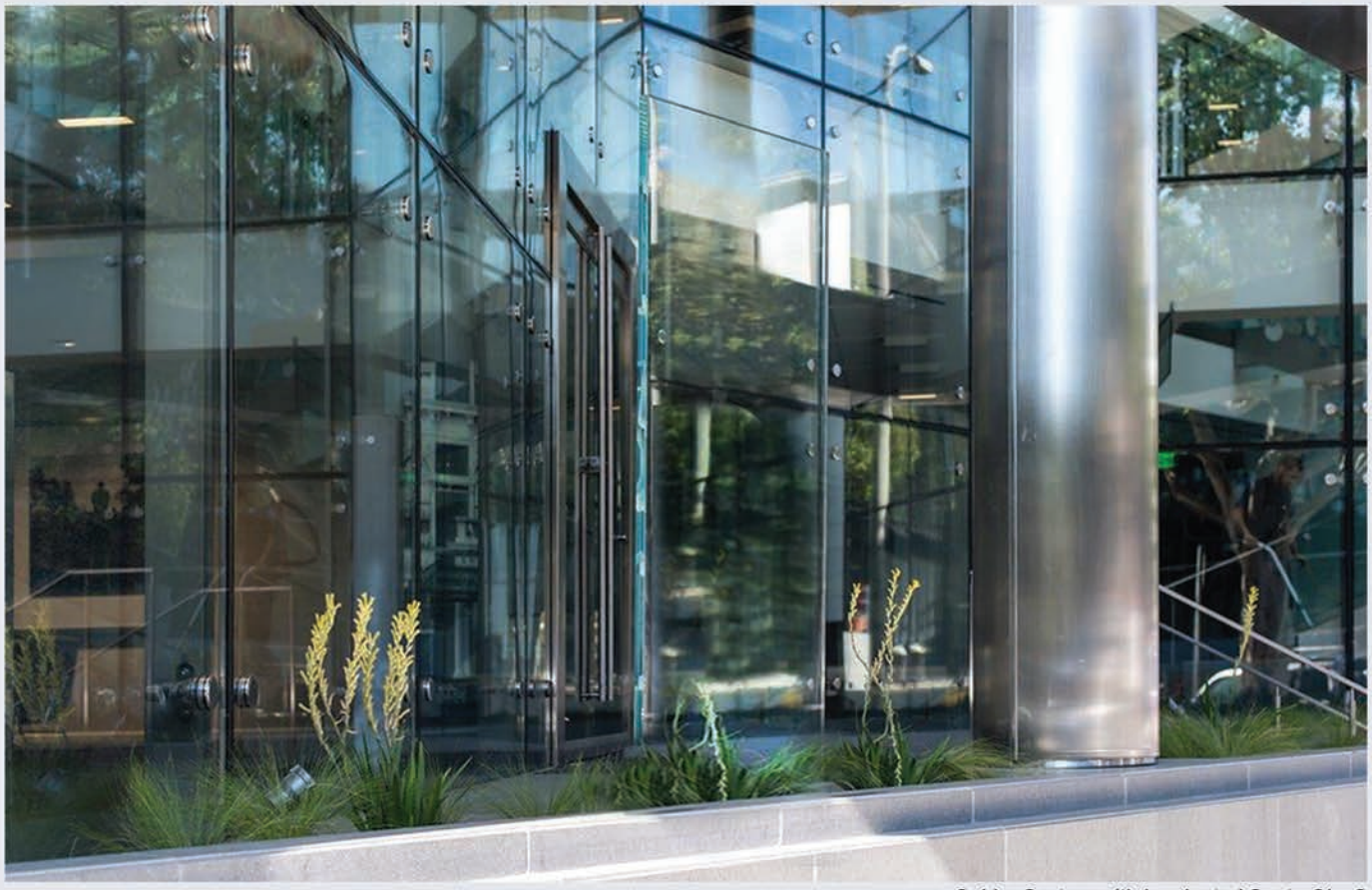
www.prlglass.com

LAMINATED GLASS- *Features*

- Defined as “Two or more lites of glass permanently bonded together with an interlayer material”.
- Our process bonds the glass and interlayer together under pressure and heat.
- Can be made using:
  - Annealed, heat strengthened or tempered glass
  -Tinted, reflective, textured, mirror and some low E
- Adds sound control
- UV-blocking properties
- Considered safety glass
  - If glass breaks, glass fragments adhere to interlayer Reducing the risk of injury
- Meets:
  - ANSI safety standards
  - ASTM standards for Laminated Architectural Flat Glass
- Max thickness is 3” overall
- Max size : 96” x 155”
- Available custom made laminated glass
- We offer the fastest lead times in the industry



PRL is proud to be able to offer you custom made laminated glass with the fastest lead times in the industry.



Spider System with Laminated SentryGlas®

LAMINATED GLASS- *Tolerances*

Stand-off Handrail System with Laminated SentryGlas®

MAXIMUM TOLERANCES OVERALL BOW & WARP (Laminated Other than Annealed Transparent Glasses)

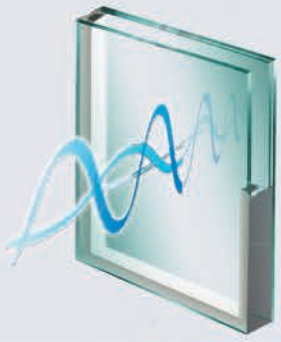
Edge Dimension	Laminate Make-up Two Glass Plies of in.				
	1/8 to 3/16"	1/4"	5/16"	3/8"	1/2 to 7/8"
0 - 18"	1/8"	1/16"	1/16"	1/16"	1/16"
18 - 36"	3/16"	1/8"	3/32"	3/32"	1/16"
36 - 48"	9/32"	3/16"	5/32"	1/8"	3/32"
48 - 60"	3/8"	9/32"	7/32"	3/16"	1/8"
60 - 72"	1/2"	3/8"	9/32"	1/4"	3/16"
72 - 84"	5/8"	1/2"	11/32"	5/16"	1/4"
84 - 96"	3/4"	5/8"	7/16"	3/8"	9/32"
96 - 108"	7/8"	3/4"	9/16"	1/2"	3/8"
108 - 120"	1"	7/8"	1 1/16"	5/8"	1/2"
120 - 132"	...	1"	1 3/16"	3/4"	5/8"
132 - 144"	...	1 1/8"	1 5/16"	7/8"	3/4"
144 - 156"	...	1 1/4"	1 1/16"	1"	7/8"

Note: All information provided is deemed reliable, we recommend to independently verify the manufacturer data sheets for any product changes. Please consult us for details.

Sound Control

PRL Sound-Control Laminated Glass is detail manufactured with a special acoustic grade PVB interlayer.

This unique interlayer has advanced the technology for high-grade acoustic control. When used with IG multiple combinations, extraordinary sound reduction can be obtained.



Max' Aluminum Sliders Shown with Laminated Sound Control IG Units

Project with Max' Aluminum Slider Systems & Sound Control Glass

251 Storefront Series with Super Neutral SN 68HT Sound Control Laminated Glass

Decorative

A broad variety of options

PRL's custom Decorative Laminated Glass has contributed to complete tasteful and refined décor with unlimited adaptability to unique design concepts.

Unlimited options for the laminated interlayer

- Elaborate shapes
- Pattern cutting
- Third party hardware or elements
- Special glass
- Fabrics

Full Frame Cladded Door with Custom Laminated Glass

Aluminum Door with Custom Wire Mesh Laminated Glass

LAMINATED GLASS

Custom Interlayer with Fused Wood Veneer & Samson Hinge

Laminated Glass with Lace Interlayer

Entrance Doors System with Custom Laminated Glass

Rainbow Color Lami Glass

- 1 CORAL ROSE
- 2 AQUAMARINE
- 3 SMOKE GRAY
- 4 SAHARA SUN
- 5 RUBY RED
- 6 SAPHIRE BLUE
- 7 EVENING SHADOW
- 8 GOLDEN LIGHT
- 9 DEEP RED
- 10 TRUE BLUE
- 11 TANGERINE
- 12 OCEAN GREY

PRL Rainbow laminated colors can provide the color tint you are looking for. Our color interlayers are available in 12 standard shades that can be used for interior and exterior applications. These shades were created to match industry glass tints. The standard colors can also be combined to produce over 1,000 transparent or opaque colors. Now architects and designers can design their own color with so many options. The Rainbow laminated color glass interlayers are fade resistant.

Custom Translucent Wall/Divider in Rainbow Saphire Blue

Interior Storefront with Custom Rainbow Colors Laminated Glass

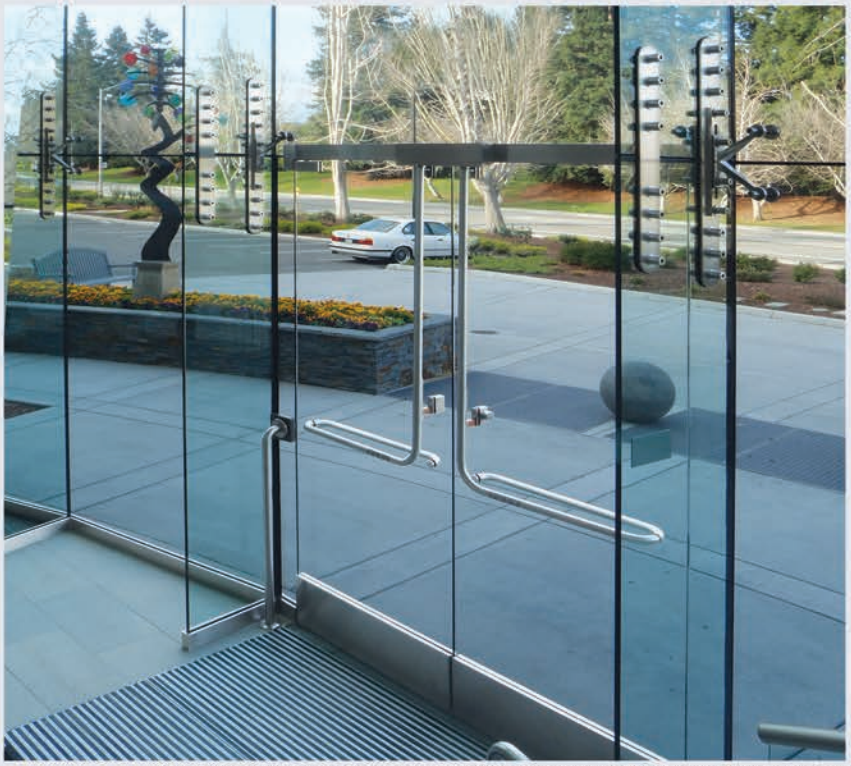
Custom Colors Laminated Glass

Entrance System & Storefront with Aquamarine Laminated Glass

SentryGlas®

PRL offers fabricated laminated glass with SentryGlas® ionoplast interlayer. This is a very durable interlayer with superior resistance to weathering, moisture intrusion and sealant contact problems. It is significantly stronger and more rigid than standard PVB interlayers, making it ideal for impact rated and structural applications. PRL Glass recommends all glass entrance doors be fabricated with SentyGlas® interlayer.

Sample shown with White SentryGlas®



All Glass Entrance Doors with Laminated SentryGlas® and Panic Device

Structural Safety Laminated SentryGlas® with Custom Fitting

Max' Aluminum Slider with SentryGlas® Hurricane Resistant Laminated Glass

Accordion Bifold Aluminum Slider with Hurricane Resistant Laminated Glass

Bullet Resistant

PRL's bullet-resistant glass is thinner and lighter than all other similar products on the market. We use Makrolon polycarbonate to provide no-spall ballistic protection, while the Marnot anti-weather polycarbonate provides scratch resistance. Our bullet resistant product has been tested and conforms to the requirements of UL752.S. It has been design to meet Level 3 ballistic resistance, and is only 1 1/16 inch thick.

- Maximun size- 48" x 96"
- Thickness & Lighter Alternative
- Full Range / No Spall Protection
- Polycarbonate Scratch Resistance Glass
- High Ballistic Resistance without Excessive Weight

Level 3 Bullet Resistance Glass

Medium Stile Full Frame Doors with Bullet Resistant Glass

Full Frame Entrance Doors with Bullet Resistant Glass

Stainless Steel Full Frame Doors with Bullet Resistant Glass

Monumental Entrance Doors with Trims in Muntz Cladded Finish and Bullet Resistant Glass

LAMINATED GLASS

Our Max Slider Systems include PRL's Aluminum Extrusions, glass and weather-stripping technology. This technology provides weather tight features that narrows the gap of acceptable water and air infiltration compared to the industry standards/requirements.

Max Aluminum Slider with Hurricane Resistant Glass

ZONE 3 suitable

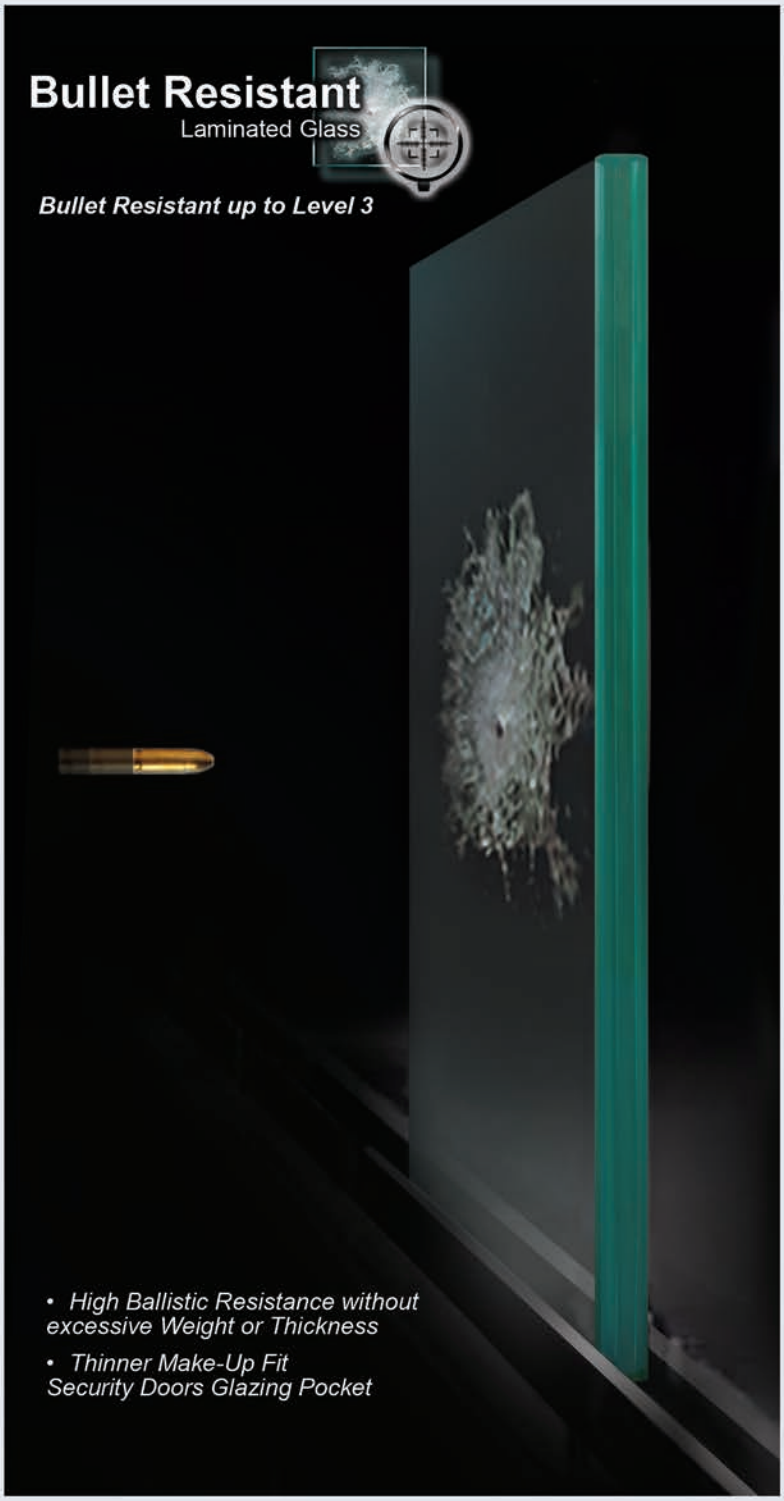
Wind Zone III (200mph)

Hurricane-Susceptible Region

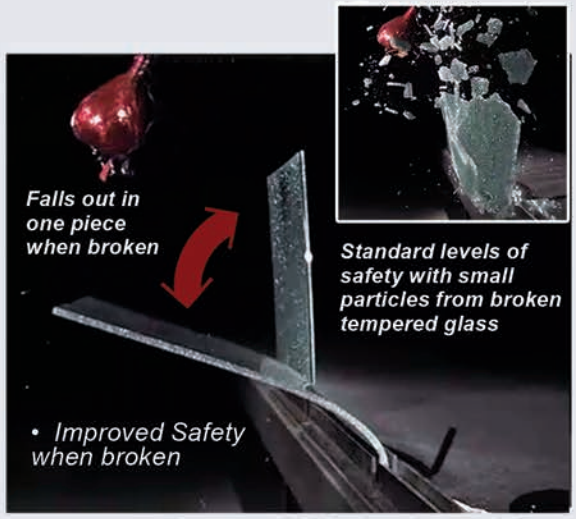
Our sliders passed the Hurricane Impact tests in laboratory controlled conditions
**test reports available upon request*

LAMINATED GLASS

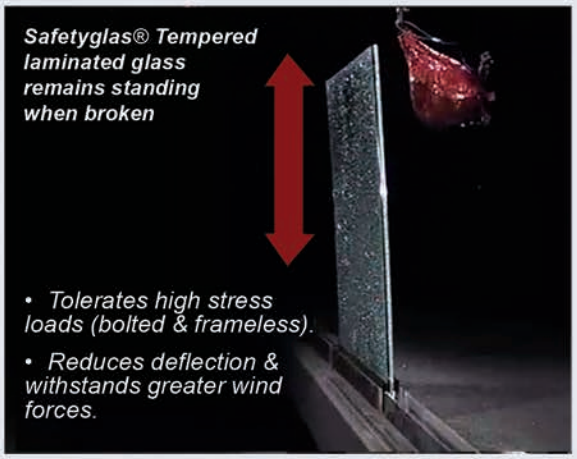
PRL laminated glass is ready to assist with Tempered, Safety, Sentry, Bullet Resistant, Missile & Hurricane Resistant glass requirements. PRL offers a lighter, stronger safety glass that can stand up to greater threat levels.



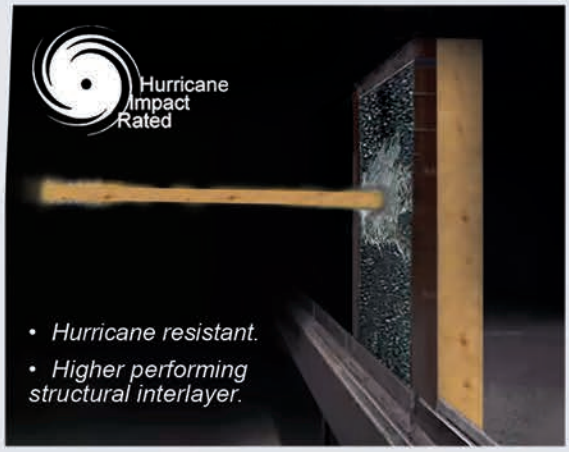
Bullet Resistant



Tempered/PVB Laminated Glass



Tempered/SentryGlas®



Missile Impact

SPANDREL COLOR GLASS

For Exterior and Interior Applications

PRL Spandrel Glass with its nearly unlimited range of colors offers greatly increased options for interior and exterior glass applications. Color matching is no problem for PRL, using a computerized color spectrophotometer. When spandrel is used on clear or reflective glass it adds shimmering, jewel like color to the interiors of hotels, shops, and restaurants.

Offered with ICD OPACI-COAT 300 water based silicone coat. Heat-treating is not required.

Applicable on annealed or tempered, Low Iron, clear, and reflective glass products. Available in standard and custom colors. Unlimited additional custom colors can be provided at additional cost. Please consult our sales office for more information.

Standard Colors

- #1-818 Black
- #3-820 Harmony Gray
- #4-822 Harmony Bronze
- #6-0025 Harmony Blue
- #2-743 Harmony Solex
- #4-975 Lava Bronze
- #2-0225 Evergreen
- #0-0186 Light White
- #0-0020 Snow White
- #0-1060 Primary White
- #1-0016 Charcoal
- #3-0586 Medium Gray
- #3-0770 Warm Gray
- #3-747 Harmony Graylite#14
- #3-967 Black-Gray
- #4-0925 Neutral

Custom Colors

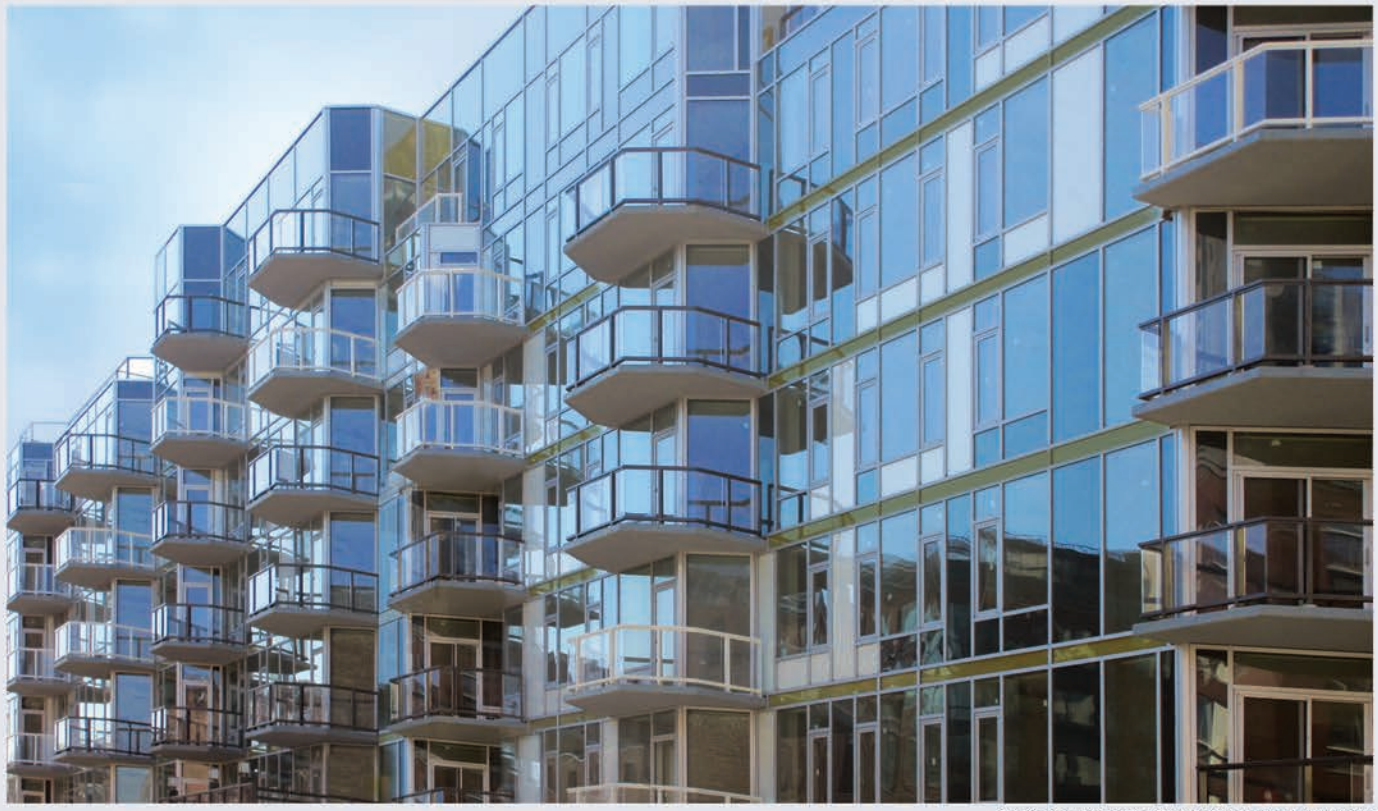
- #2-0213 Aged Copper
- #6-0194 Fjord
- #5-936 Red

Note: Samples shown are for illustration purposes only colors may vary from actual samples. Please consult PRL for details and availability.

Custom Spandrel Counter Top

Black Spandrel Wall Panels

SPANDREL COLOR GLASS- *Features*



Curtainwall with Color Spandrel IG Units

Storefront with Spandrel Infill Panels

SPANDREL COLOR GLASS- *Interior Applications*

Custom Color Back Wall & Cabinets Fascia

Decorative Back Splash Wall with Custom Color

SPANDREL COLOR GLASS- *Interior Applications*

Spandrel Panels Custom Color Wall Interior Glass Application

Foyer Backwall shown with Custom Color Spandrel

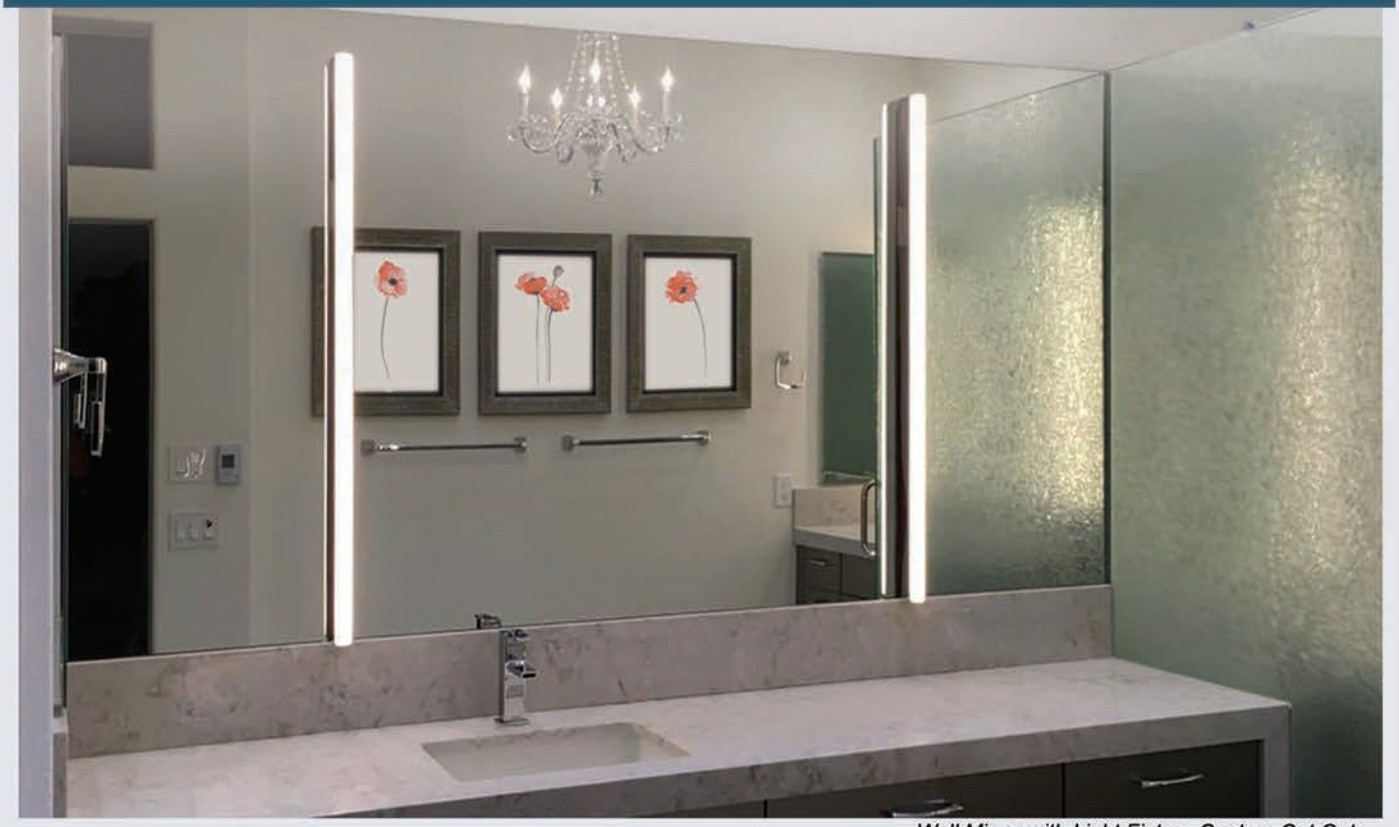
Curtainwall Infill Panels with Custom Color Spandrel Glass

SPANDREL COLOR GLASS- *IG Units Exterior Applications*

IG Units with Custom Color Spandrel Glass

MIRRORS

Enhance your Space with Elegance



Wall Mirror with Light Fixture Custom Cut Outs

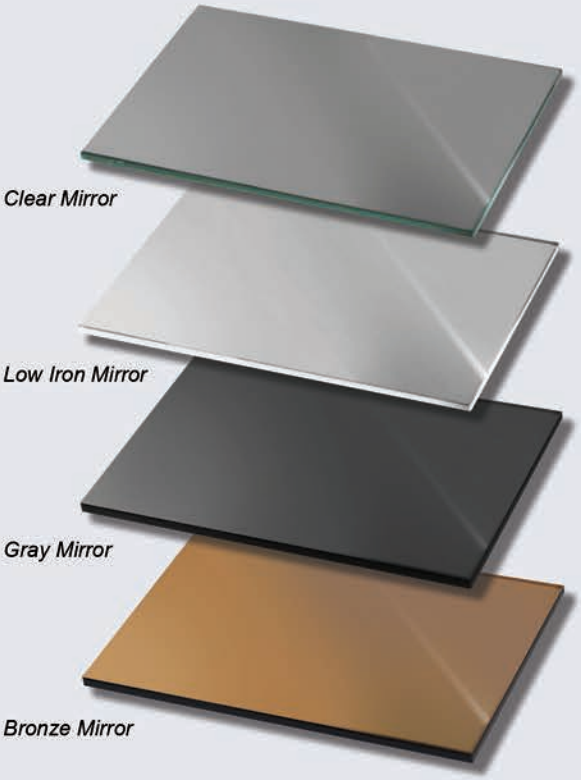
Low Iron Mirror with Sandblasted Border

MIRRORS- *Selection*

PRL enhances the mirror elegance with

- Polished Edges
- Beveled Edges
- Multiple bevels
- Sandblast artwork

Clear Mirror with Light Fixture Cut Outs



Custom Clear Mirror with Custom Stand-off Mount

Features:

- Brighter
- Excellent clarity

Unlimited Applications:

- Gym
- Beauty Salon
- Designer Couture
- Hospitality
- Event Halls
- Boutiques
- Spas

MIRRORS- *Low Iron*

PRL Low-Iron mirror perfectly suited when you wish to achieve the truest and clearest reflection possible.

PRL specializes in fabricating custom mirrors to your specifications. Our goal is to deliver a superior quality mirror product.

Low Iron Mirror with Etching for Lighting

Clear Mirror vs Low-Iron Mirror

Custom Low Iron Wall Mirror with Round Lighting Cutouts

Custom Fabricated Mirrors with Etching for Back Lighting

Custom Clear Mirror Configurations

Mirror with a Center Circular Cut Out

SANDBLAST

Enhance Glass Elegance with Surface or Deep Carved Custom Designs

PRL Sandblast artwork enhances glass elegance with surface or deep carved custom designs such as, logos applications, floral designs, mythical concepts, abstract, contemporary designs, or ornamental design. Applicable in most of our product line such as, entrance doors, sliding door systems, tabletops, decorative glass, shower enclosures, glass specialties, handrails, and many others.

- Carved
- Surface Sandblast
- Artistic
- Custom edges
- Custom
- Tri-Dimensional Sandblast

PRL Recommends
Diamond Seal
on your sandblast Glass

Entrance System Ornamental Design

Glass Partition with Custom Sanblast Design

Shower Unit with Gluechip Border

Clear Glass with Custom Sandblast

SANDBLAST GLASS- *Multiple Applications*

Double Doors with Custom Sandblast Artwork

Displays with Logo Application

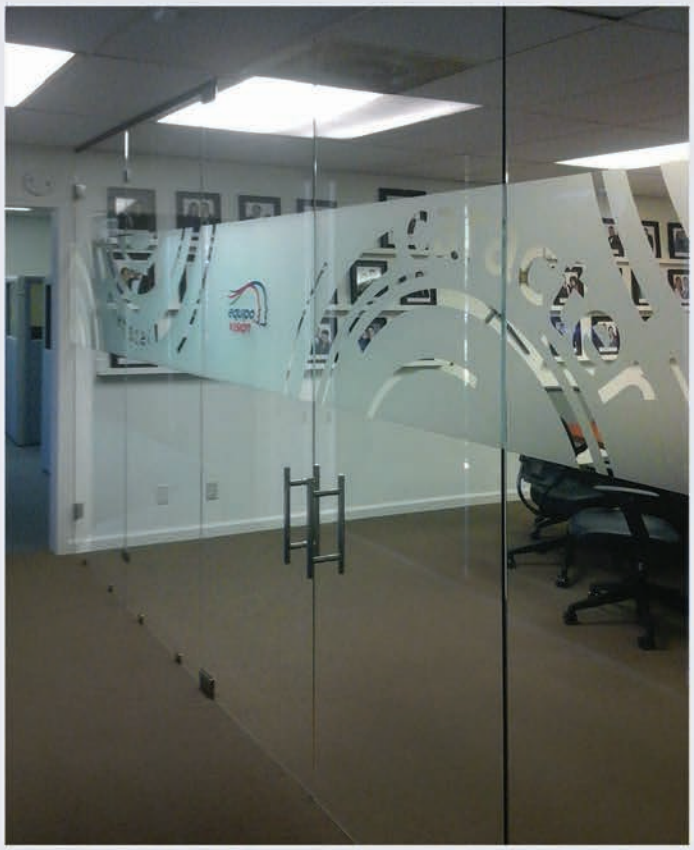
Entrance System Contemporary Artwork

Partition Oceanic Design

Detail sandblasting checkered pattern on a Tiffany Slider with lock Housing/CB Pull.

SANDBLAST GLASS- *Brand Identity Artwork*

Entrance Doors with Panic Device & Custom Sandblast Logo



Office Doors with Custom Sandblast Logo Design

Glass Partition with Custom Sandblast

SANDBLAST GLASS- *Border Designs*

Handrail System with Custom Sandblast Border

Bifold Aluminum Slider with Reflective Glass & Custom Sandblast Border

SANDBLAST GLASS- *Custom Designs*

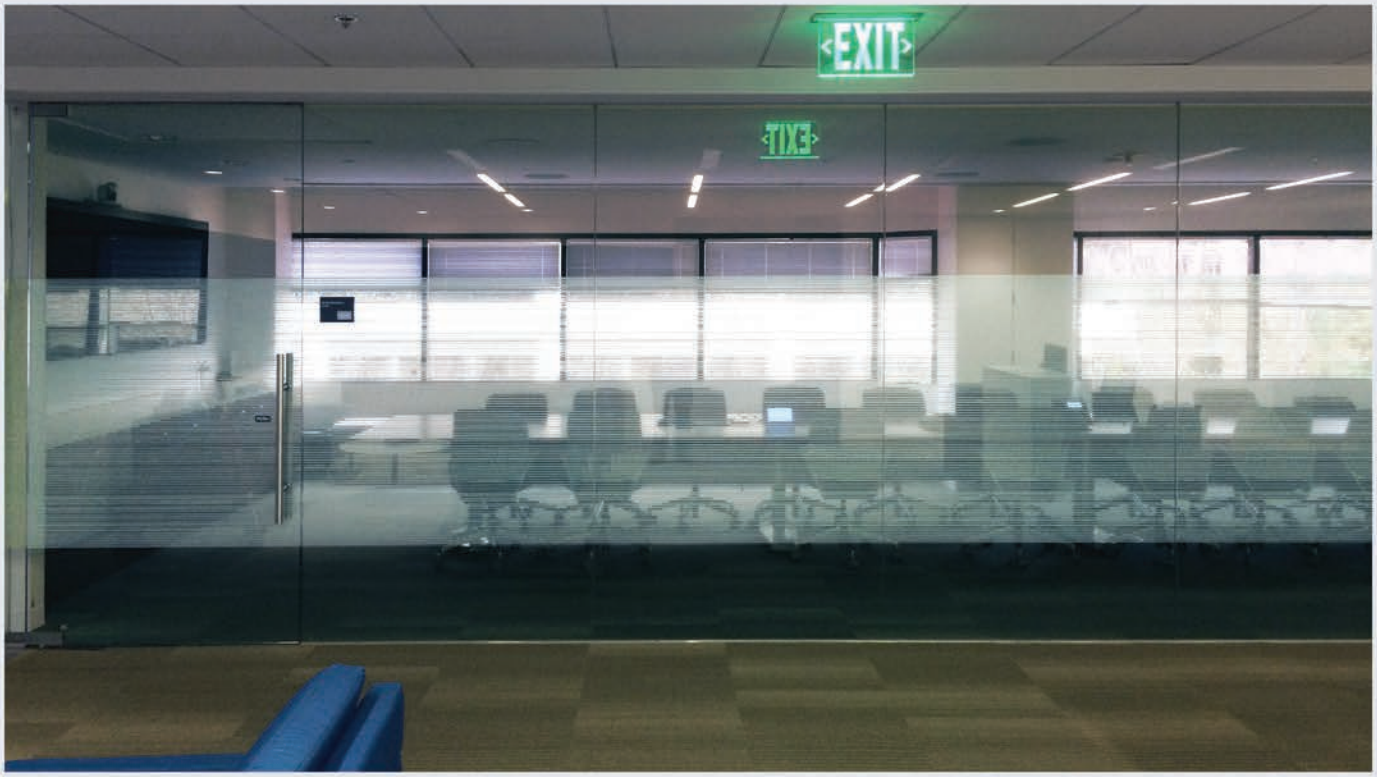
Wall Partition with Custom Sandblast Design

Infill Panels Glass Wall with Gradient Sandblast Design

SANDBLAST GLASS- *Obscure Privacy Features*

Shower Unit with a Sandblast Band

Aluminum Single Door with Sandblast for Privacy



Conference Room with Sandblast Pinstripes

Three Dimensional Sculptured Sandblast Mythical Art Design

3 Glass Pieces Custom Installed with Color Lights for Special Effects

Custom Cut Glass Before Installation

SANDBLAST GLASS- *Artistic Designs*

Oversize Glass Panel with a Large Door Cut-out

Splash Panel with Custom Sandblast Mermaid Design

Custom Oceanic Sandblast Design Partition

Full Frame Door with Custom Design

CUSTOM TABLETOPS

Artistic, Beautiful, and Creative Applications for Residential and Commercial

PRL custom tabletops have contributed to complete tasteful and refined decor. Custom shapes and edging on heavy glass reflects PRL expert craftsmanship. Offering, standard geometry, complex shapes, overlay and custom inset (frame or pattern are required).

Among other applications are:

- Residential
  - Dining
  - Coffee
- Office
  - Conference
  - Desk
- Commercial
  - Display
  - Countertop

Round Tabletop with Flat Polished & Custom Center Cutout

Tinted 3/4" Glass Round Tabletop

Round Tabletop Custom Mount

Clipped Corners Rectangular Tabletop with Custom Sandblast

Oversized Conference Tabletop with Custom Edge

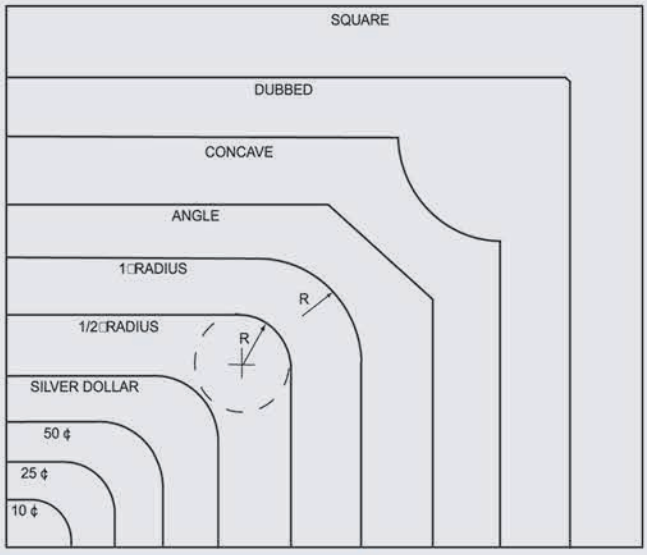
TABLETOPS- *Fabrication*

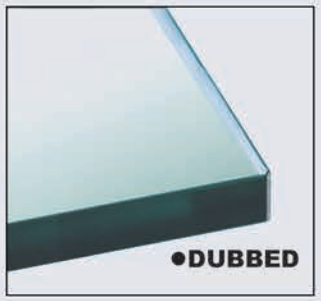
PRL's glass tabletops are suitable for indoor and outdoor furniture. When designing your custom glass tabletop, PRL offers a wide selection of options for shapes, corners, glass types, edge work, and custom treatments.

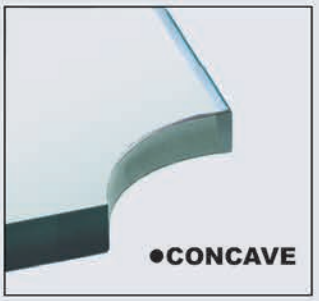
Design the unique table for your special project. PRL will also cut to fit to your pattern or table base.

**Consult us for details*

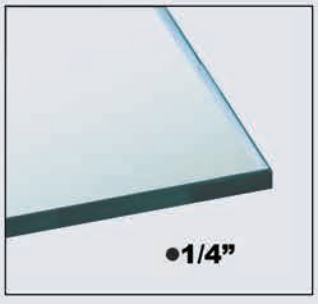
CORNERS:

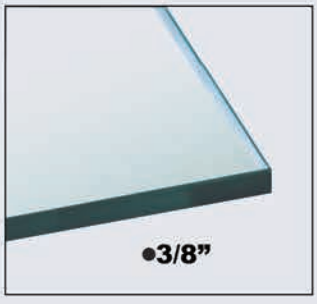


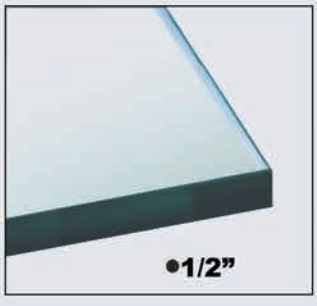


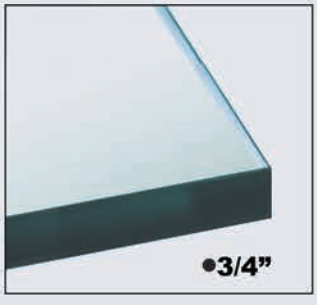


THICKNESS:









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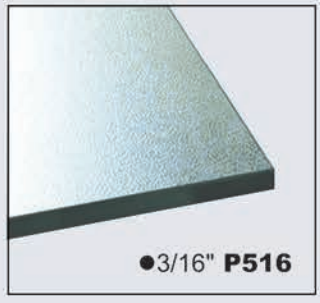
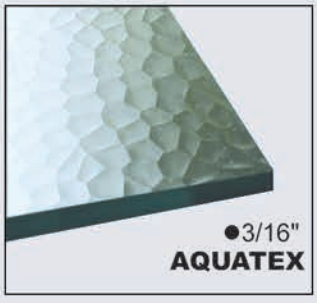
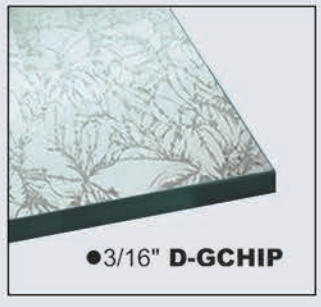
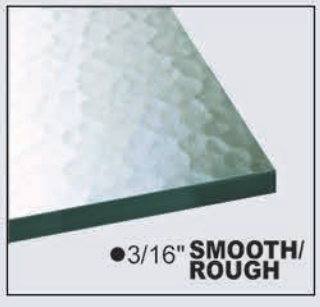








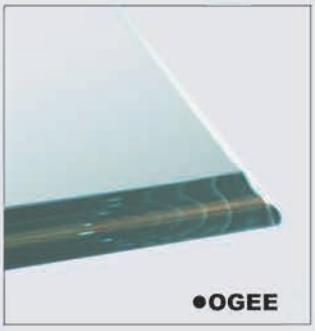
TABLETOPS - *Glass Edges*

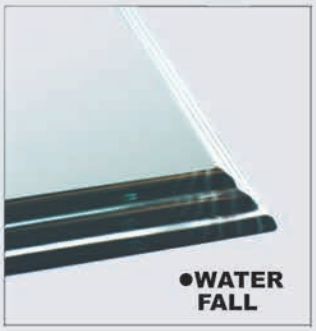
●CHIPPED & FROST

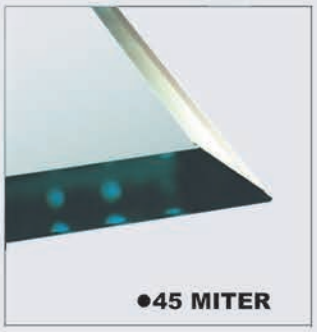
●BEVEL

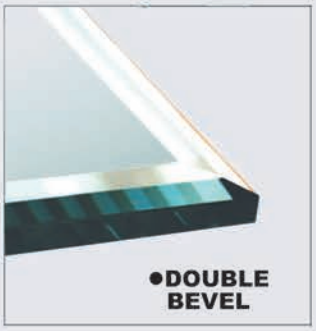
●FLAT POLISHED

●BULL NOSE


●OGEE


●WATER FALL


●45 MITER

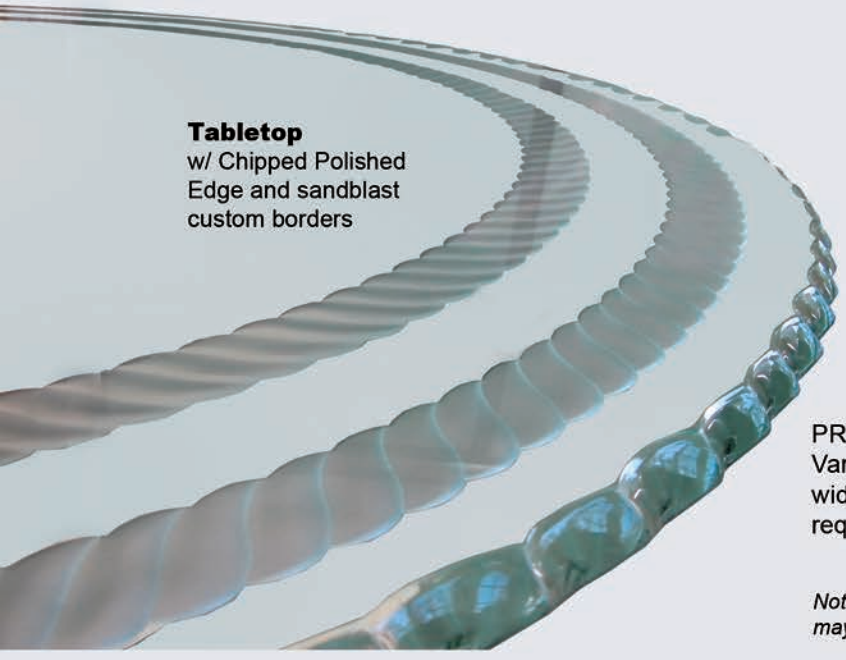

●DOUBLE BEVEL

●OCEAN SURF

●DOUBLE CHIP FANCY

●PENCIL POLISH

●ROPE



Tabletop
w/ Chipped Polished Edge and sandblast custom borders

●CHIPPED & POLISHED

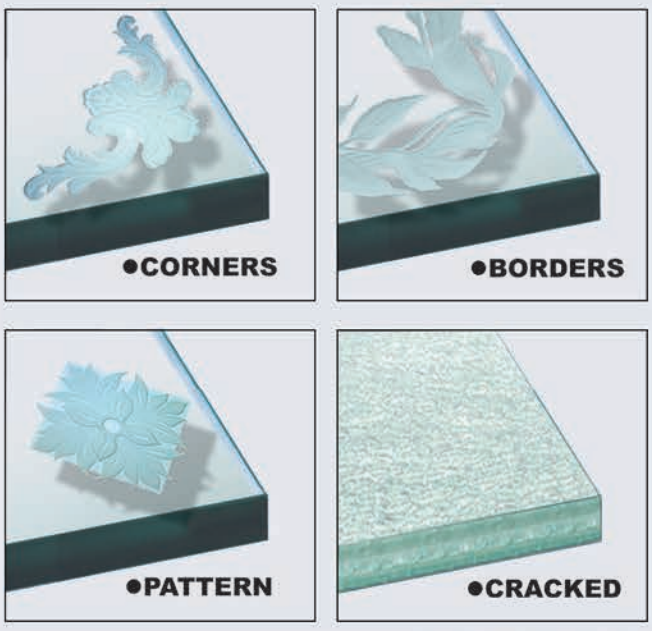
●OCEAN SURF W/ WAVES

PRL natural glass elegance with innovative hand crafted edges. Various edges are offered from ground to polished bevel for a wide range of applications. Customized edges are available upon request. Please consult PRL for details.

Note: Samples shown are for illustration purposes only, color/designs may vary from actual samples. Please consult prl glass for details

TABLETOPS- *Glass Fabrication*

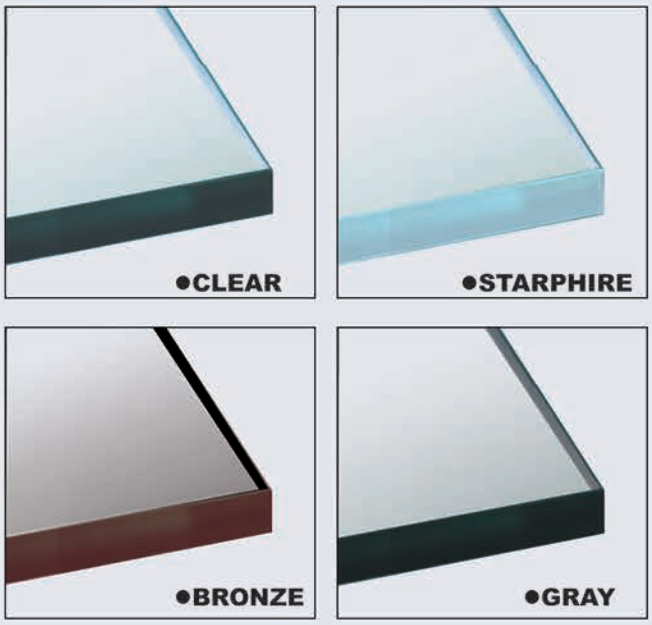
CUSTOM DESIGN*



**specifications required*

Tabletop with Custom Sandblast Design

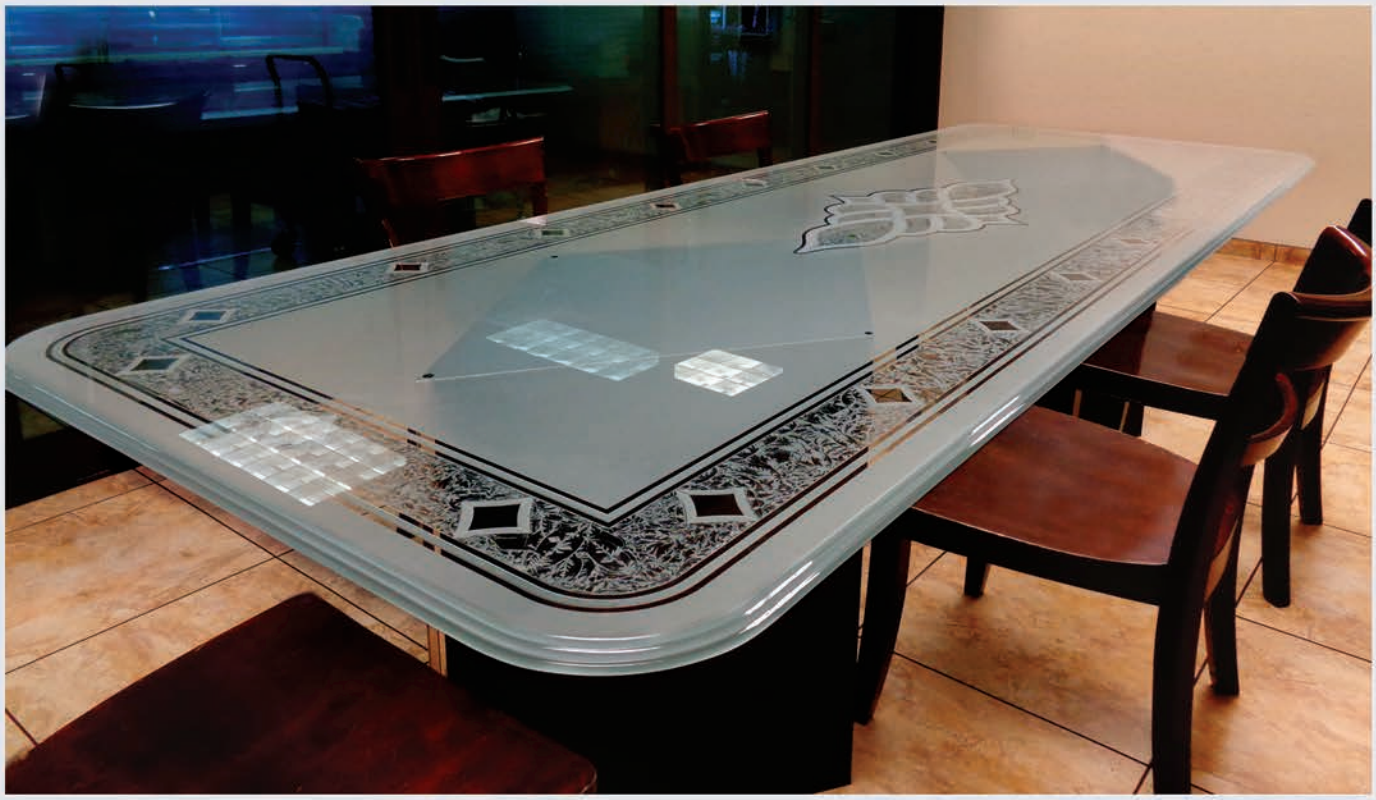
COLORS:



Tabletop in Bronze Color Glass

TABLETOPS- *Oversize Conference Tables*

Rectangular Tabletop with Custom Sandblast



Oversize Tabletop with Water Fall Glass Edge and Custom Sandblast & Gluechip

GLASS SPECIALTIES

Custom Work with Maximum Craftsmanship Creating Elegance & Style

Conference Room with Custom Sandblast/Gluechip Tabletop & White Spandrel White Board

GLASS SPECIALTIES - *Features*

PRL glass custom applications offer an unlimited adaptability to unique design concepts integrating the beauty and strength of glass with the elegance of other hardware to create distinguished exhibition elements. Glass applications allow natural lighting to fill interior spaces while still allowing practical function and the view of fine décor.

Custom glass applications are unlimited for corporative, commercial, office and residential applications. PRL offers unlimited glass options such as:

- Clear
- Tinted Uncoated
- Sandblast
- Spandrel
- Low Iron
- Low E
- Reflective
- Textured
- Laminated
- Custom

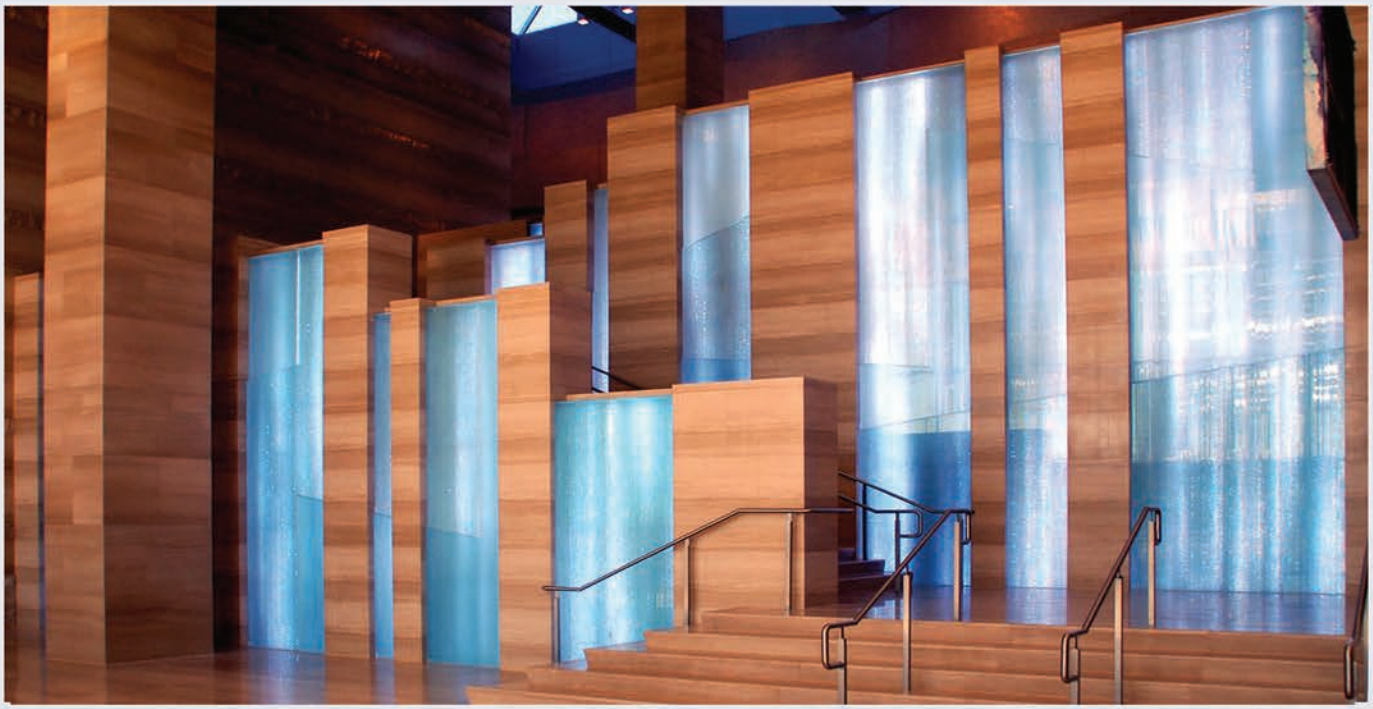
All Glass Interior Wall Dividers with Custom Sandblast

Spandrel Glass Panel Column Cover

Column with Bamboo Texture Glass & Spandrel Glass

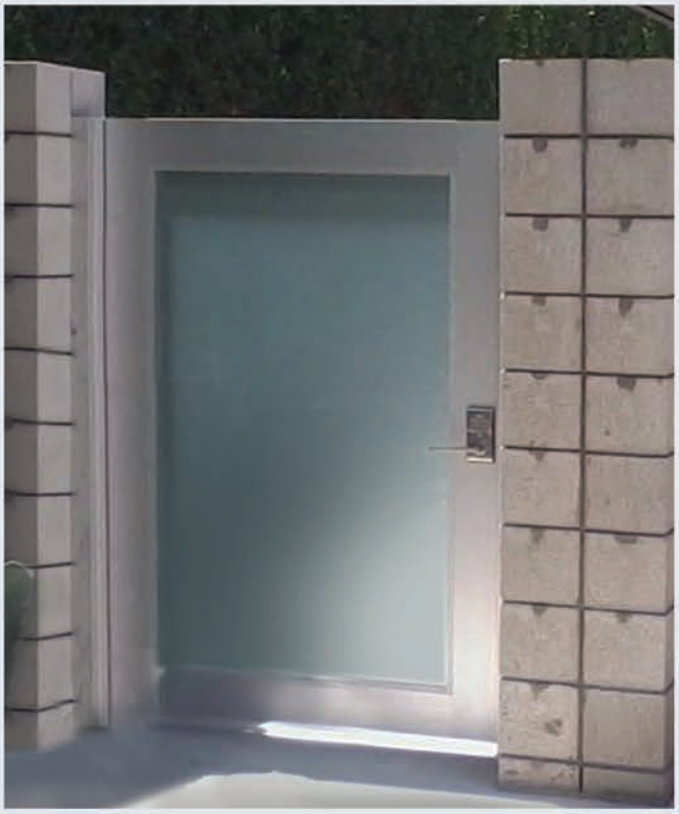
Custom Sculpture made with 180 Layers of Glass

Sandblast Glass Wall Partition with PL-375 Clad Rails



Custom Textured Laminated Glass Walls

Custom Office Cubicles with TInted Glass & Sandblast Design



Aluminum Gate with Acid Etch Glass

Custom All Glass Wine Cellar

All Glass Tiffany Slider with Acid Etch Glass

One Piece Custom Cut Spandrel Glass Desk Top

GLASS SPECIALTIES- *Residential Applications*

Custom All Glass Wine Cellar

Outdoors Glass Fire Pit with Laminated/Tempered Glass

All Glass Handrail with Custom Cutouts for the Stair Steps

Acid Etch Custom Shape Countertop with Stand-offs

ALL GLASS ENTRANCE SYSTEM

The Highest Quality Complete Entry Systems with the Fastest Lead Times in the Industry

Custom Height P-Style Door with Full Height Deadbolts

ALL GLASS ENTRANCE DOOR SYSTEMS- *Configurations*

PRL all glass doors are available in various standard styles and are offered with continuous rails or corner patch combinations. Available metal finishes are stainless steel, brass (satin or polished), anodized aluminum and powder coat or Kynar painted.

P-Style Door / Entrance System with Custom Shape Ladder Pulls

A-Style Door System with Samson Patch & Full Height Ladder Pulls

Standard Configurations

P-STYLE

Continuous horizontal top and bottom rails from any PL-Series rails.

BP- STYLE

Corner patch rail in a 9 ½" from any PL-Series rails or any PL-Euro series fittings, and a continuous horizontal bottom rail from any of our PL- series rails.

F-STYLE

Corner patch rails at pivot and lock points in a 9 ½" section from any PL-Series rails or PL-Euro series fittings.

A-STYLE

Corner patch rails at pivot points (no lock patch) in a 9 ½" section from any PL-Series rails or PL-Euro series fittings.

Custom Door Designs are also available for a wider variety of applications.

ALL GLASS ENTRANCE DOOR SYSTEMS- *Applications*

P-Style Entrance Systems with PL-100 Panic Device and FS Exterior Pulls

Office A-Style Interior Doors with PL-Short Ladder Pulls

ALL GLASS ENTRANCE DOOR SYSTEMS- *Custom Configurations*

Custom Height All Glass Entrance Doors with Panic Device

PRL's Interior & Exterior Oversize All-Glass Entrance Doors with heavy duty hardware to accommodate special width or Height. A variety of options of custom pulls and hardware. With PRL the possibilities are endless!

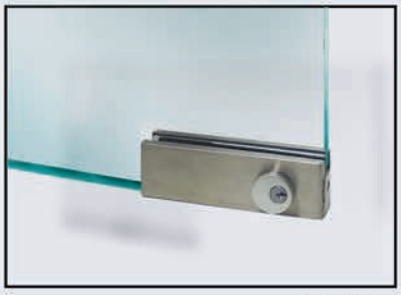
Oversize Width All Glass Entrance Door with Specialty Hardware

ALL GLASS ENTRANCE DOOR SYSTEMS- *Door Hardware*

EURO FITTINGS

PL-450/440/414
TRANSOM/SL/FIN/PIVOT BRACKET
4 1/8"H / 8 1/2" W

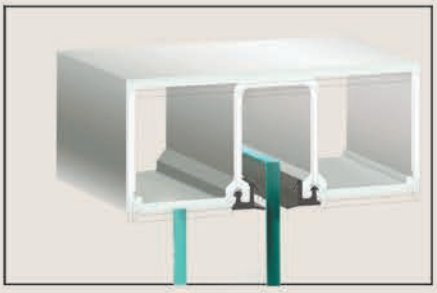
PL-19102
LOCK PATCH FITTING
3 1/8"H / 6 3/4" W



PL-16500
LOCK PATCH FITTING
2"H / 6 1/2" W

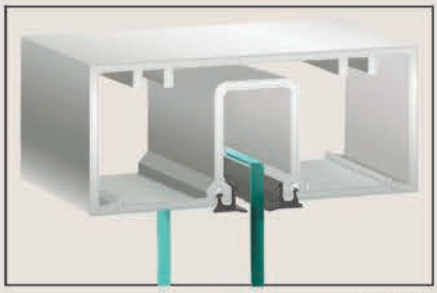
PL-16300
LOCK PATCH FITTING
4 1/4"H / 3" W

SIDELITES HEADER

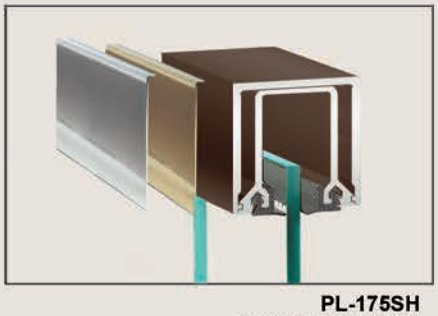


PL-400SH
1 3/4" H X 4" W

PL-450SH
1 3/4" H X 4 1/2" W



PL-250SH
2" H X 4 1/2" W



PL-175SH
1 3/4" H X 1 3/4" W

DRYSET DOOR RAILS

PL-1000DS
2 1/16" W x 10 1/8" H

PL-600DS
2 1/16" W x 6" H

PL-350DS
2 1/16" W x 4 1/4" H

PL-150DS
2 1/16" W x 4 1/4" H

PULLS

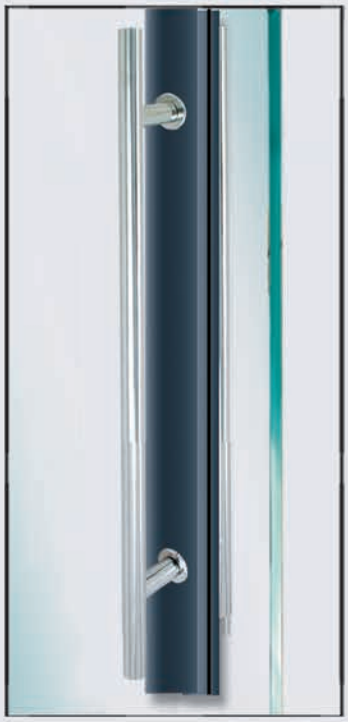
PL-3
10”/12”/18” CC

PL-3 Offset
10”/12”/18” CC

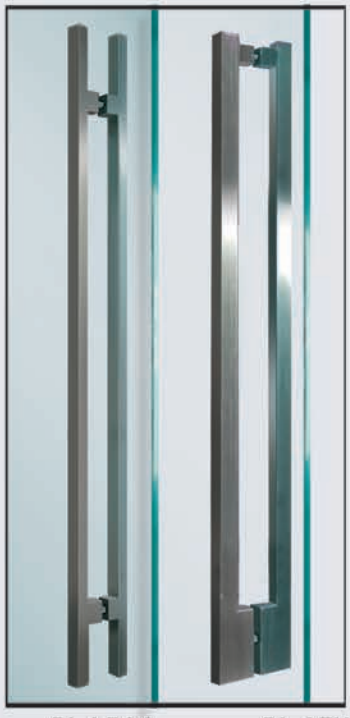
PL-5
12” CC

PL-8
10”/28” CC

LADDER PULLS



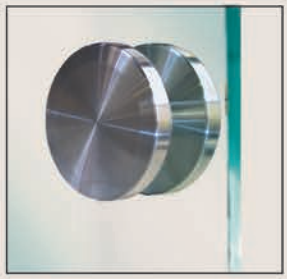
PL-LADDER
12”/24”, 24”/36” 36”/48”,
60”/72”, 72”/84” CC/OAL



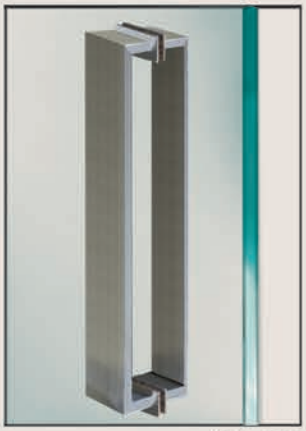
PL-LPSQ
24”,36”, 48”,60”,
72”, 84” STD OAL

PL-SFU
44”/48”- 68”/72”
80”/84” CC/OAL

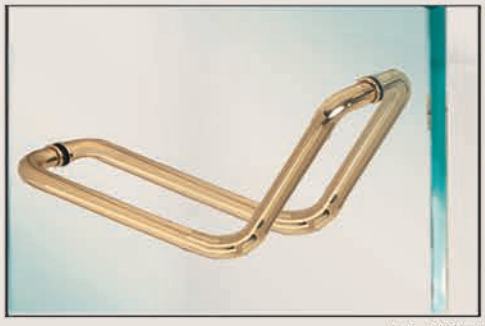
CUSTOM PULLS



PL-RND
8” DIA.



PL-RCT
10”/12” CC



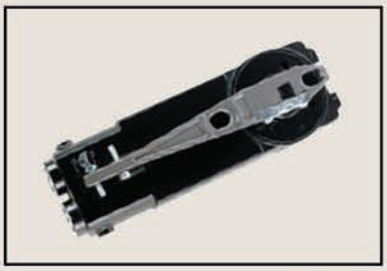
PL-VRT
10”/24”- CC

PRL Custom Push/Pulls offer a significant degree of flexibility.

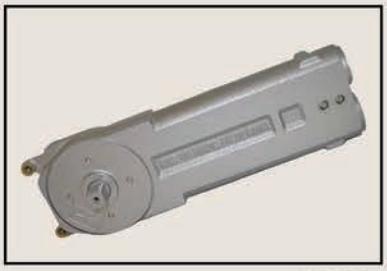
PRL metal push/pulls lines are available in several finishes to match or harmonize with most door styles and architectural frames to fit your deco style.

ALL GLASS ENTRANCE DOOR SYSTEMS- *Door Hardware*

OVERHEAD CLOSER



OHCADJ
Adjustable Overhead Closer
90/105 Degrees HO/NHO



RTS88
RTS 88
Body only

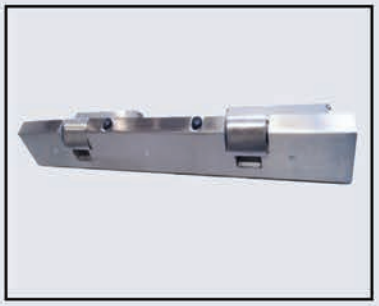
BOTTOM CLOSER

BTS80
75/90°, 75/105°, 80

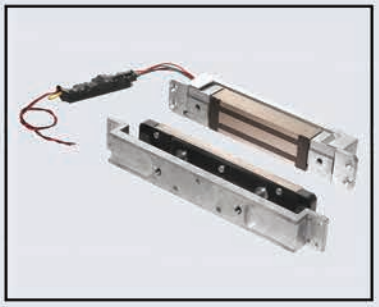
RIXSON
85°-105° Hold/No Hold

ELECTRIC & MAGNETIC STRIKE

FA3101
310-1 Electric strike/single



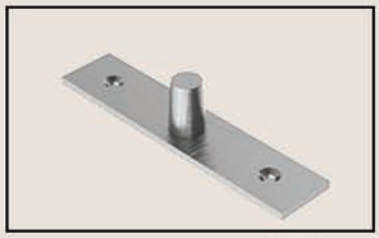
FA3101D
310-1 Electric strike/double



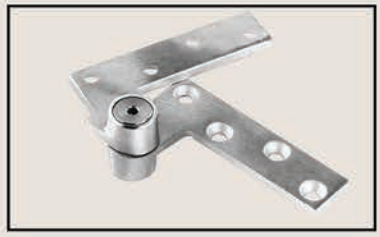
GF3000
Locknetic GF3000 magnetic lock

FS23M
SDC Electric deadbolt lock

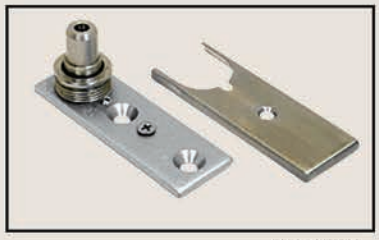
PIVOTS



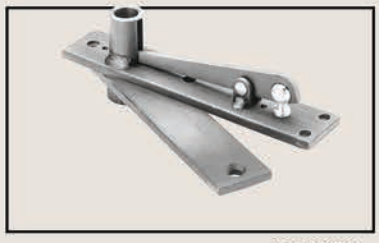
PL101170
Surface Mount Top Pivot



Offset Top Pivot
1 1/2", 3/4"



PL11500
Surface Mount Bottom Pivot

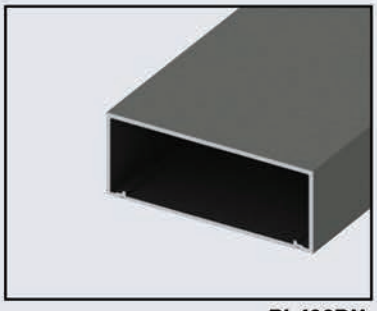


WB8062
Walking Beam Top Pivot

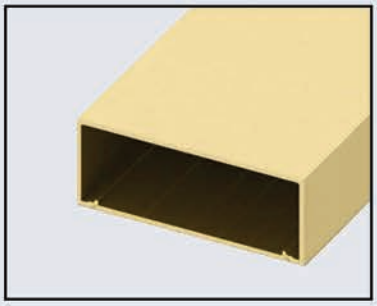
M19
M-10 Intermediate Pivot

ALL GLASS ENTRANCE DOOR SYSTEMS- *Door Hardware*

DOOR HEADER

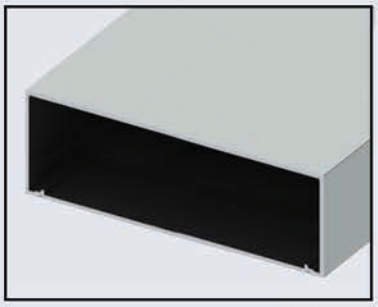


PL400DH
1 3/4" X 4" Door header



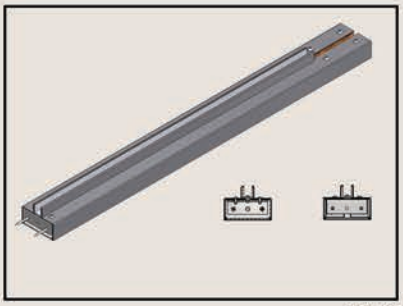
PL450DH
1 3/4" X 4-1/2" Door header

PL250DH
2" X 4-1/2" Door header

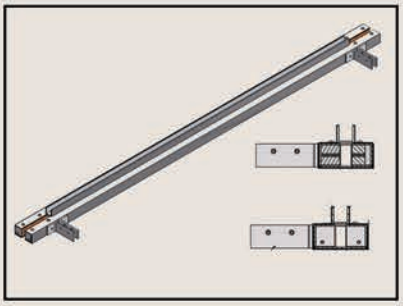


2X6HDR
2" X 6" Door header

FLOATING HEADERS

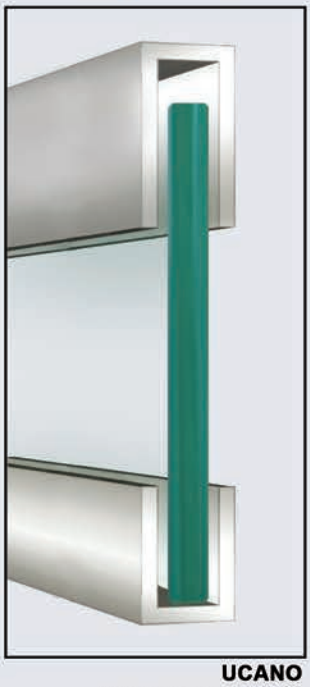


36FH
36" Floating header



72FH
72" Floating header

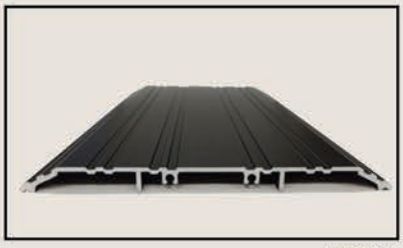
U-CHANNEL (TOP & BOTTOM)



UCANO
Aluminum U-channel
1 x 1, 1 x 1 1/2,
1 1/4 x 1, 1 1/4 x 1 3/4,

THRESHOLDS

TH400
1/2" X 4" Threshold



TH037
1/2" X 7" Threshold

PINNING CHANNEL

10INSERT
Pinning Channel
1 3/8" X 2 5/8" X 3/8"

***Available Finishes in: #4 Brushed Stainless Steel #8 Polished Stainless Steel , Bronze Anodize, Clear Anodize, Mill Finish, Satin Brass and Polished Brass.*

PL- SAMSON SERIES

A Strong and unique combination of a Patch & a Closer.

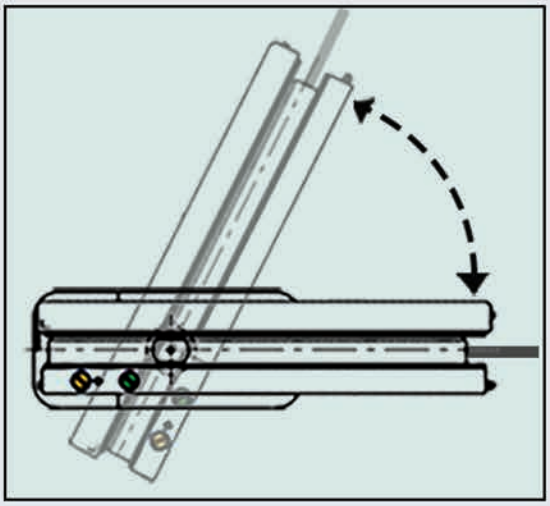
- Maximum Weight 300 lbs
- Maximum Door Width 42 in.
- Maximum glass thickness 3/8”- 9/16”
- Polished or Satin Stainless Steel Cladded Finishes

PL-10170
SURFACE MOUNT TOP PIVOT
L 4 3/16” x W 1”

Office Door with Closer/Patch and Top Patch

PL-424
TOP PATCH
L 6 1/2” x H 2”

PL414-HYHD
PL-CLOSER/PATCH
L 9 13/16 x H 3 3/16”



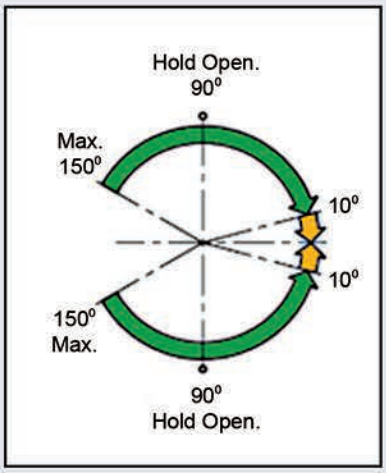
CLOSING SPEED ADJUSTABLE
150^0 - 10^0 and 10^0 - 0^0

A-stile Doors with Closer/fitting & Texture Glass

The Concealed Floor Spring Closer has a Dual Action Functioning range of 150 degrees making it suitable for single or double action doors and is non-handed making it suitable for both LH and RH doors with a maximum door panel weight of 330 lbs.

It is available with or without the Hold Open feature at 90 degrees.

The Base Plate on the PF Series is also adjustable to ensure alignment of the door panel. The Stationery position of the door can be adjusted horizontally left to right and forward and back by 1/8" with the door opening angle also adjustable by 4°.



A-stile Doors with Closer/fitting & Top Patch Fittting

PANIC DEVICES

Interior Push Bars for Exterior Doors That Serve the Dual Purpose of Meeting Emergency Egress Code Requirements and Act as Decorative Interior Push Handles

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com

PANIC DEVICE- *Features*

Features:

- Standard & Custom Configurations/Exterior Handles
- Door stop/Strike bracket (Manual or Electronic)
- Dummy Panic Handles
- Custom Finishes
- All Glass, Full Rail & Custom Mounting
- Secure Cylinder/ Key Housing
- Adaptable to Small Format IC Core Cylinders
- Fastest in the industry:

Panic Device System

Leadtime 3-5 days!

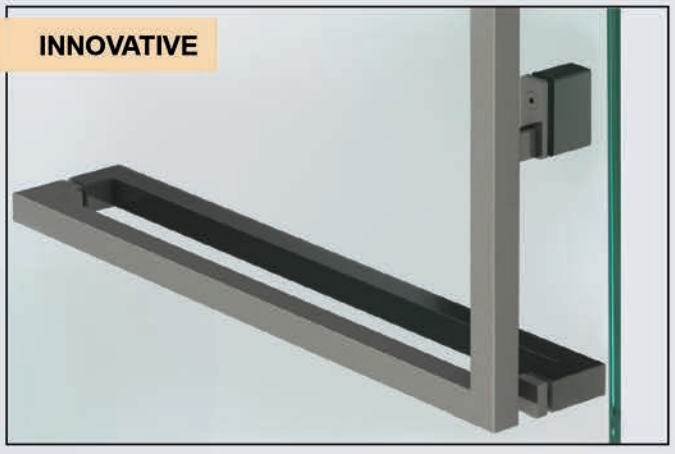
UNIQUE

PL101- TUBULAR "MITERED"

CLASSIC

PL100- TRADITIONAL "RADIUSED"

INNOVATIVE



PL102- SQUARED "MITERED"

BIGGER

*up to 10 ft High**

CUSTOM Oversize Width/Height Panic Device

STRONGER than ever.

PRL has successfully completed over **2.0 million uninterrupted cycles of operation with our PL100 Tubular Panic.**

PANIC DEVICE- *Panic Bar Style Options*

A-Style Doors with PL 100 Panic Device and B Exterior Handle

P-Style Entrance Systems with PL-100 Panic Device and FS Exterior Pulls

TUBULAR PANIC OPTIONS

1 1/4" Custom Square Bar

also available

1 1/4" Dia. Round Bar

PANIC DEVICE- *Full Frame Cladded Doors & All Glass Entrance Doors*

Multiple All Glass Entrance System with P-Style Doors & PL 100FS Panic Devices

Multiple Entrance System with Full Frame Cladded Doors & PL 100FS Panic Devices

DEADBOLT LOCKING MECHANISM

Offers Security, Ease of Access and Beauty

Entrance Doors with Full Size Top Latch Deadbolt

P-Style Oversize Doors with DB-FS Top Latch Deadbolt

P-Style Doors with Half Size Top Latch Deadbolt

DEADBOLT- *Features*

One of PRL's popular locking options is our Tubular Deadbolt Handle. It offers security, ease of access and beauty. This stylish hardware provides a convenient and ergonomically comfortable locking and unlocking height while enhancing your entry with a very elegant, modern, and streamlined appearance. PRL Aluminum custom manufactures our deadbolt handles in-house to your requirements.

Featuring:

- Easily Operable key cylinder out and thumb-turn inside
- 1-1/4 Round or Square Tube profiles available
- Latch option at head or floor
- Custom configurations with full length or half size on request
- ***Locking mechanism at a convenient height***

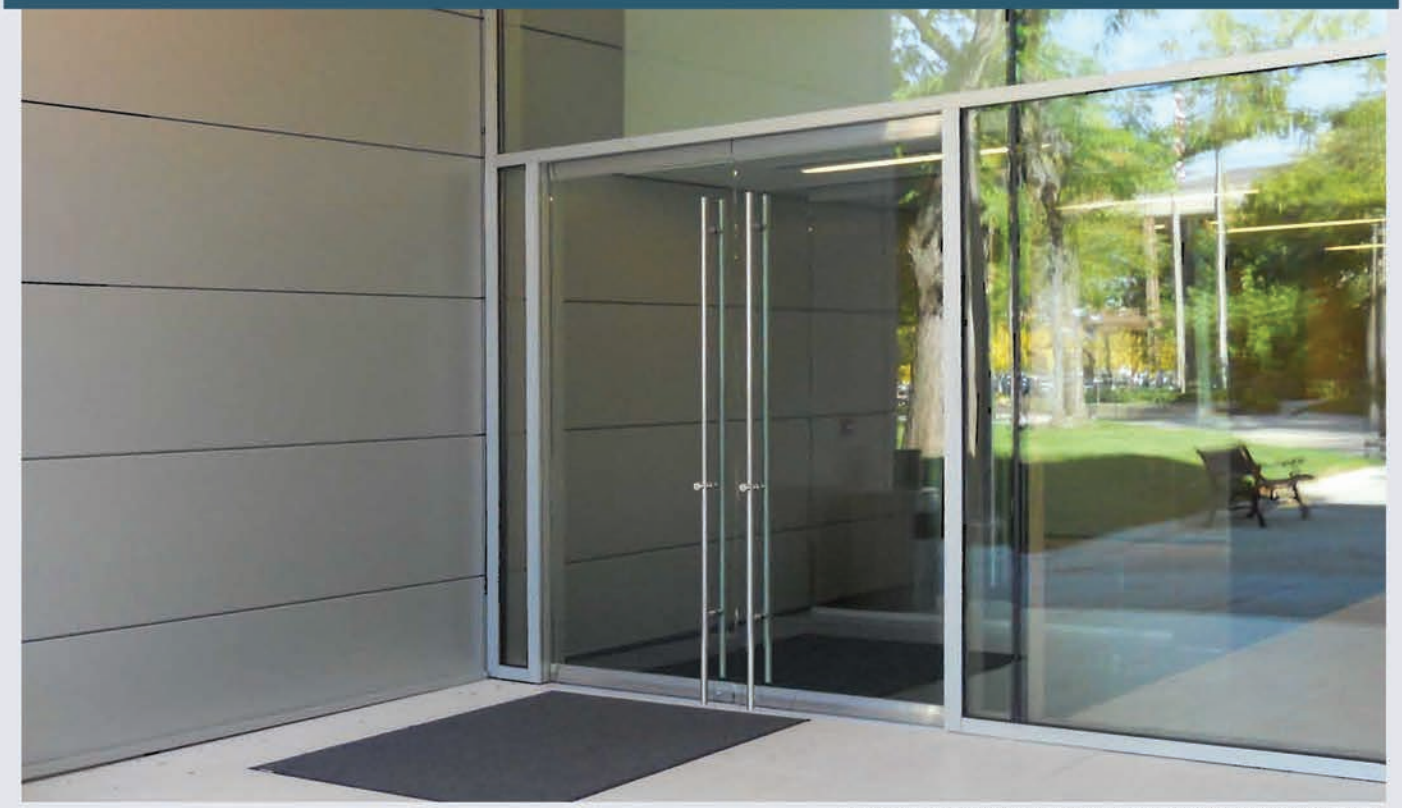
BP Style Door with Floating Header & Top Latch Deadbolt

P Style Glass Doors with Full Height Deadbolt

Full Frame Cladded Entrance Doors with Full Height Deadbolt

EASY LOCKING LADDER PULLS

Popular Due to Its Easy Locking Mechanism at Waist Height



Entrance System with Full Height Easy Lock Ladder Pulls

P-Style Doors with Full Height Easy Lock Ladder Pulls

EASY LOCK LADDER PULLS- *Features*

PRL continues to design, manufacture and develop innovative hardware to complement our variety of door styles. Easy Lock Ladder Pulls are designed to add contemporary functionality to standard & monumental entrance doors.

Featuring:

- Half length locks at head or floor
- Full length locks at head and/or floor
- Flexible key outside and thumb-turn inside option
- Elegant custom designs
- Custom length available
  *consult us for details

- **Easy locking mechanism at a convenient height**

Glass Slider with Custom Easy Lock Ladder Pull

Wine Cellar with Diamond Style Easy Lock Ladder Pulls

Tiffany Slider with Short Easy Lock Ladder Pull

FULL FRAME CLADDED DOORS

Elegant Stainless Steel or Brass a Luxurious Alternate, Cladded Entrance Door Systems

Heavy Gauge Aluminum Cladded Painted Door Systems

PRL is proud to offer our Full-frame Cladded Doors. Providing innovation, elegance, strength and style, our full-framed doors will create an entrance to impress! Available in a variety of architectural finishes and with a premium selection of hardware such as our own tubular panic hardware, PRL provides countless options to create an entrance you'll be proud to display!

Designed with durability, security and style in mind, PRL's full-framed doors are fabricated without glass stops, providing clean, unobstructed sightlines. Extruded in-house, our clad doors are designed with a heavier wall extrusion than standard storefront doors. Center Hung and Offset options are available. We offer three different vertical stiles. Standard top and bottom rail heights are 4", 5" or 10". But PRL is never limited to standard options and can fabricate to any custom sizes specified! Our doors accommodate glass thicknesses from ¼" to 1". Numerous laminated glass options are available in-house, including PRL's exclusive 1-1/16" BR. For improved weather control our doors are equipped with state-of-the- art adjustable weather stripping. Our experienced sales team is available to assist with any design questions and quotations. Please feel free to contact our Door Department.

FULL FRAME CLADDED DOORS- *Features*

Full Frame Colossal Atrium Entrance System

Complete Entrance Systems

- Without Glass Stops
- Unlimited Glass Options
- Luxurious Cladded Finishes
- Specialty Hardware & Panic Devices

AVAILABLE FINISHES:

Polished Brass | *Polished Stainless Steel*

Satin Brass | *Brushed Stainless Steel*

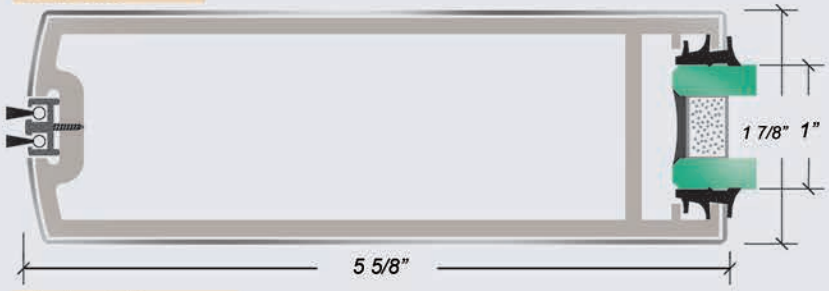
US10B Oil Rubbed Bronze

GLASS THICKNESS:

1/4" *3/8"* *1/2"* *1"(IG Unit)*

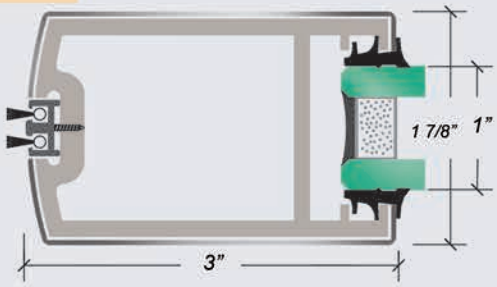
VERTICAL DOOR STILE:

Wide Stile:



Medium Stile:

Narrow Stile:



FULL FRAME CLADDED DOORS- *Applications*

Medium Stile Door with PL-100 Panic Device

PRL complete entrance systems are manufactured and assembled in house. All you have to do, is give us your opening dimensions and we will provide you with a complete door package ready to install.

Stainless Steel Clad Full Frame with IG Unit & Continuous Hinge

Full Frame Doors in Satin Stainless Steel Finish with Offset Pivots, VD Panic Hardware and Offset Ladder Pulls

FULL FRAME CLADDED DOORS- *Applications*

Narrow Stile Heavy Aluminum Cladded Painted Door Systems

Full Frame Doors with Custom Pull

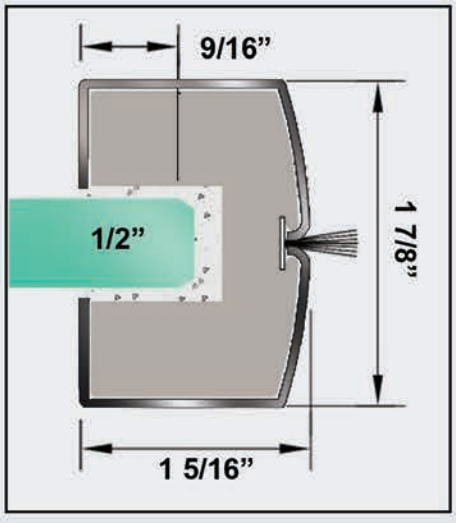
Wide Stile Full Frame Doors in Polished Stainless Steel Finish

ULTRA NARROW CLADDED DOORS

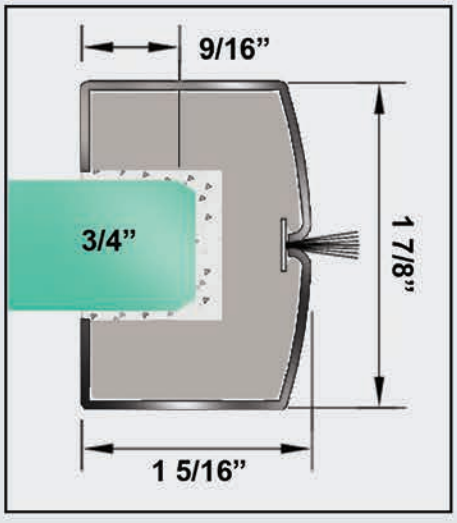
Spontaneous Entrance Doors Giving the Impression of All Glass Doors with Very Narrow Vertical Stiles

Monumental I-Line Stile Entrance Doors with PL100F Panic Device

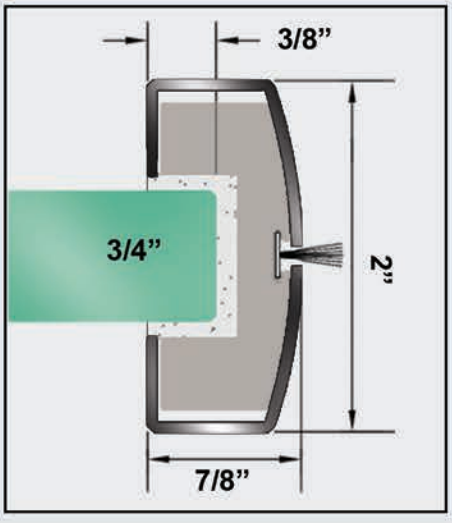
WS-450



WS-475



WS-878

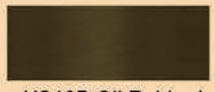


Available Finishes:

Polished Brass

Polished Stainless Steel

Clear Annodized



US10B Oil Rubbed

Satin Brass

Brushed Stainless Steel

Bronze Annodized

*Custom Painted Colors Available ***

**Clear Anodized subtract 1/8” of the overall width*

ULTRA NARROW CLADDED DOORS- *Applications*

Custom Height Ultra Narrow Cladded Doors with Custom Height Ladder Pulls

Ultra Narrow Cladded Doors with Deadbolt Device

ALUMINUM DOORS

Aluminum Doors are Available in Many Different Styles Including an Adaptable Custom Design

Double Doors with PL 100 FS Panic Device

Double Aluminum Doors with Reflective Glass, Panic Hardware & PL-3 Offset Pulls

ALUMINUM DOORS- *Configurations*

PRL aluminum Doors are top quality and functional, without compromising style. Aluminum Doors are available in many different styles including adaptable custom designs. Doors can be configured as single acting, double acting and accommodate top/bottom pivots, butt hinges, or piano hinges in conjunction with door hydraulic operators to function as center or offset hung. Our doors offer strong reinforced and welded corner construction for top performance that permits their use in heavy duty applications or oversize installations. Pairs of Doors are offered with standard meeting rails or special adjustable meeting rails for those difficult and out of square openings.

We offer aluminum doors in standard anodized and painted finishes. Combine your order with tempered or laminated glass, IG units, bullet resistant and you will receive a complete door package opening ready for fast and easy installation.

Narrow Stile
Horz muntin & beveled glass

Medium Stile
Matching stiles & muntin sizes

Custom Stile
Custom height w/ horz muntin

Wide Stile
SS Finish classic muntin pattern

Complete Entrance System with PRL Fabricated Storefront , Doors & IG Units with Reflective Glass

ALUMINUM DOORS- *Custom Configurations*

Curved Framing & Custom Doors with Horizontal Muntins

Custom Oversize Door with Ladder Pulls

Wide Stile Double Doors with Custom Height

Custom Wide Stile Doors with Muntins & Designer Texture Glass

ALUMINUM DOORS- *Custom Configurations*

Special Doors with Standard Muntins & Reflective Glass

Single Door with Hor./Ver. Muntins

Custom Door Surface Mount Trim

Doors w/ Wide Muntins & Curved Transom Frame

Aluminum and Storefront with Bronze 4569 Adams Rite Deadlatch

MECHANICAL LOCKS

AR1850
MS1850 deadlock

AR1850
MS1850 deadlock

AR4510
4510 series deadlatch

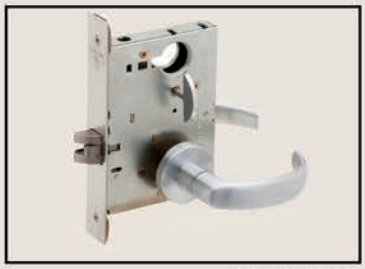
AR1890
1890 Dead Latch/Lock

AR4900
4900 Series Deadlatch

MECHANICAL LOCKS

SCHAL
AI series latch lock

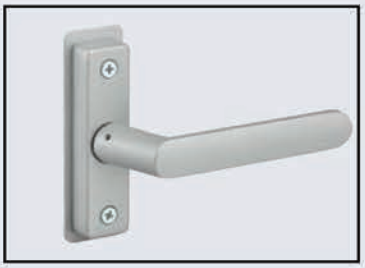
SCHND
ND series latch lock



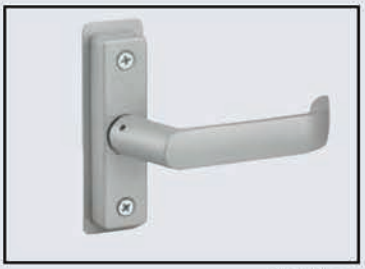
SCHL9000
L series latch lock

LEVER

AR4560
4560 AR series deadlatch



AR4568
4568 AR series deadlatch



AR4569
4569 AR series deadlatch

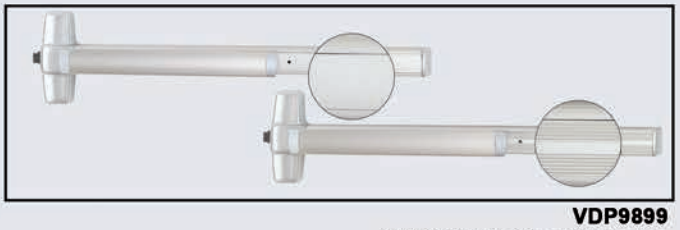
ELECTRIC STRIKES

AR7100
7100 AR electric strike

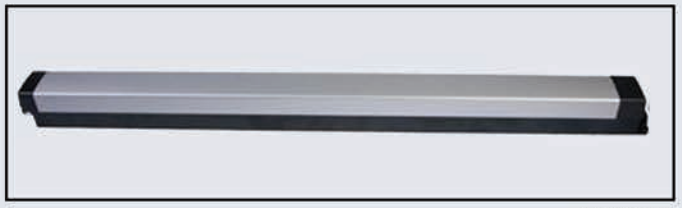
AR7400
7400 AR electric strike

PANICS

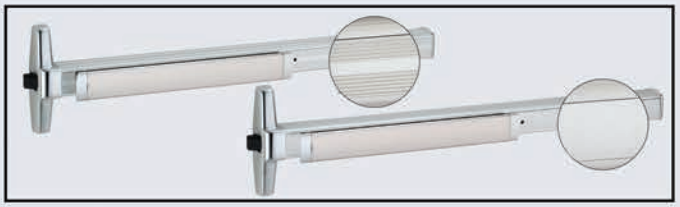
AR8600
8600 AR Series Exit Device



VDP9899
98/99 VD Series Exit Device



AR8800
8800 AR Series Exit Device



VDP3335
33/35 VD Series Exit Device

ALUMINUM BI-FOLD

Complete Accordion Bi-fold Aluminum Slider System a Versatille Solution for Any Application

Accordion Bifold Slider with Hurricane Resistant Glass

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com

Accordion

The great advantage of Bi-Fold Doors is that they can be easily stacked to one side, all in one motion, to create an unobstructed view. When closed, PRL Bi-Fold Doors provide superb sound control and excellent air and or water protection. They are thermally broken and available with hurricane impact rated glass. Join PRL in this new growing "Indoor/Outdoor Living" sliding door market and experience the advantages of allowing PRL to be your sliding door supplier.

Bifold Slider with Vistacool Pacifica Reflective Glass

Configurations:

- 2L
- 4L
- 3L3R
- 1L2R
- 2L2R
- 8R
- 3L1R
- 4L1R
- Custom

Note: 8 Panels maximum per side

ALUMINUM BI-FOLD- *Features*

Accordion

- Versatile
- In-line / Multiple Panels
- Dual Function Slide/Bifold
- Weather Resistant- Thermally Broken
- Custom Configurations
- Dual Tone Finish feature

Accordion Bifold Slider with Hurricane Resistant Glass

Stainless Steel Hinge

PRL's Accordion 316 stainless steel hinges provide higher weight capacity, strength, durability and performance.

Still retained our exclusive unibody integral weather stripping raceway uncompromising our dual perimeter seal system.

Accordion

Performance, Safety & Sound Reduction Glazing Options

Residential Bi-fold with Low-E Glass IG Units

Unlimited Glass Options

- IG Units
- Low E
- Reflective
- Dual/Triple Insulating
- Laminated
- Sandblast
- Texture

Multi-point Door Lock:

- Up to three Lock Point deadbolt
- Deadbolt, upward/downward shootbolt
- Lever Lock Set/Contemporary Handle Style

Bi-fold with Sandblast Border Design Glass

ALUMINUM SLIDER

Complete Max' Aluminum Slider System Ready to be Install

MAX'Sliders

PRL's MAX SLIDER Aluminum Multi-panel Sliding Door continues to gain confidence and growth in the sliding door market. Our versatile sliding system has become one of our best selling products with the option of top hung or bottom rolling system. The Max Slider provides superb sound control as well as excellent air and water protection, and is hurricane impact rated.

In-line Top Hung Max Slider with Slender Guides

MAXimum

- Efficiency & Durability
- Smooth Sliding
- Weather Tight
- Strength (Hurricane Resistant)
- Elegance
- Views
- Quality

Hurricane Impact Rated

Interior/Exterior Grade AAMA Rated

NFRC Rated

ALUMINUM SLIDER- *Top Hung & Bottom Roller Systems*

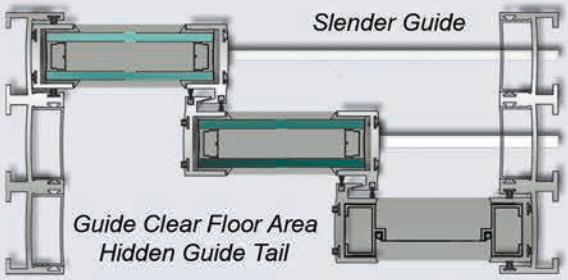
MAX'

Top Hung 90 Degrees Max Aluminum Slider with Slender Guides

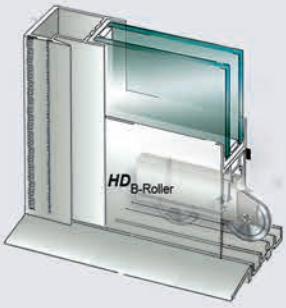
Cabo Top Hung Rollers

Top Hung Options:

- Center Lock Housing *(for 1" Ultra Narrow Stile)*
- Bug Screen Panel
- Slender Stainless Steel Guide Exclusive Mechanical Drop Seal System

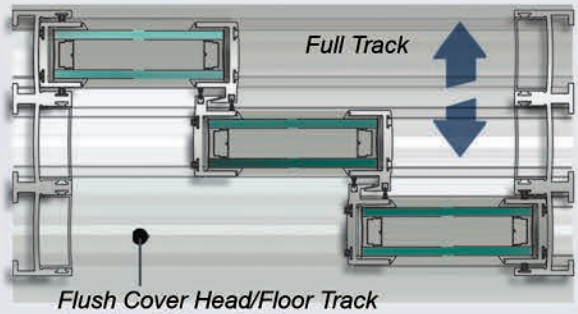


Cancun Bottom Rollers



Bottom Roller Options:

- Floor Track Panel/Bottom Rail Dual Inset Guides
- Quad Seal Floor Track
- Custom Sill pans available for water penetration resistance
- Beveled Nose (optional 1/2" or 3/4")



Flush Cover Head/Floor Track
Inactive Sliding Guides

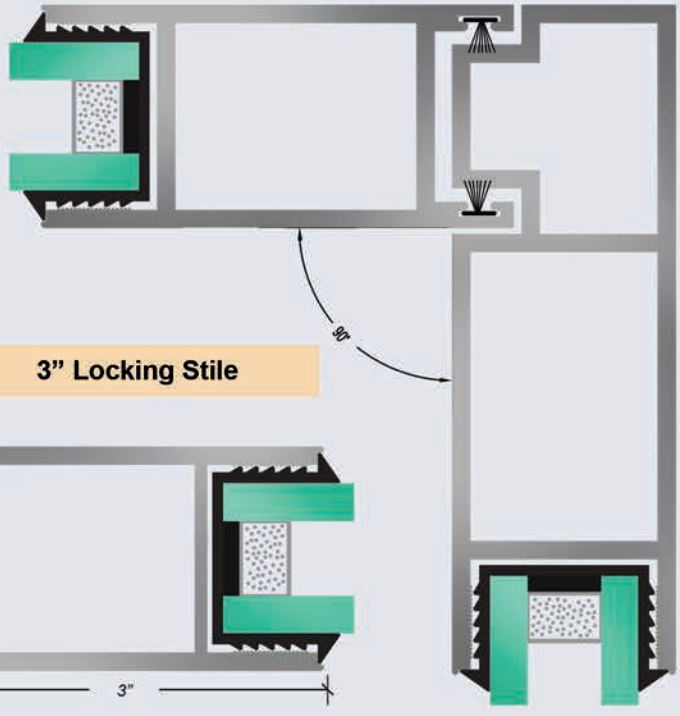
Bottom Rollers Max Aluminum Slider with IG Units

ALUMINUM SLIDER- *Vertical Stiles*

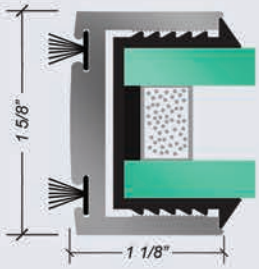
90 Degrees Max Aluminum Slider with Combination 3" & 1" Stiles

MAX' Interlocking stiles create a moving wall that provides open spaces, easily closed by pulling only the leading panel. Multiple number of different rail and stile profiles are available including an "ultra-thin" 1" stile. Glass options include from 1/4" to 1-1/8" thick IG Units. Designed, extruded and manufactured in-house, this product is also LEED friendly and offered with our fastest lead time in the Industry!

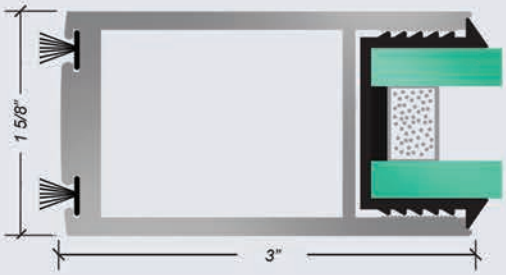
Corner Stile



1" Ultra-Narrow



3" Locking Stile



ALUMINUM SLIDER- *Pulls & Oversize Configurations*

Oversize Max' Slider with Reflective Glass and an Aluminum Side Door

PULLS:

DEEP FINGER / CANCUN (DFP/CN)

STANDARD FLUSH LOCKSET (SFL)

4900 AR SERIES (AR4190)

MAGNETIC ADA (MAG)

LEVER ADA (LV)

OVERSIZE CONFIGURATIONS:

**Consult PRL for details*

MAX'

Max Aluminum Sliders Hospitality Project

90 Degree Multi-Panel System

In-Line Top Hung Max Aluminum Slide with Slender Guides

Biparting Max Slider with Reflective Glass

ALUMI SLIDER

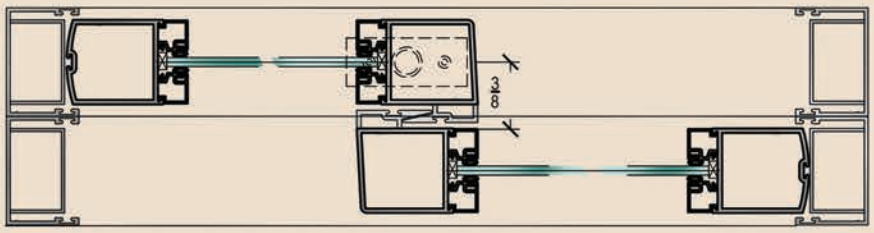
Lighter Weight High Quality Modern Interior Aluminum Slider

In-line Top Hung Max Slider with Slender Guides

PRL manufactures a wide selection of sliding door systems. Our Alumi-Sliders are an attractive, and cost effective solution for interior applications where space can be maximized and security and privacy can be maintained. PRL Alumi-Sliders are a lighter weight, high quality aluminum sliding door suitable for modern office or retail spaces, restaurant moveable wall partitions or residential room dividers.

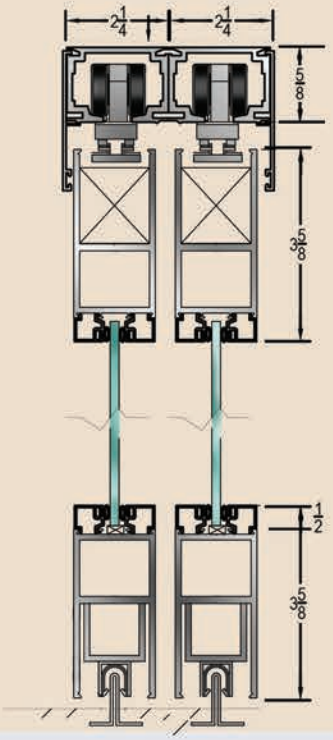
A variety of configurations are available including pocket doors or multi panel units. Inter-locking stiles allow for easy opening and closing of several panels with one motion. PRL's wide selection of glass types provide endless options for creating your own unique design. Choose from a variety of rail sizes, optionalhorizontal mullions, and metal finishes to satisfy to suit your décor requirements. Please contact PRL Aluminum for quotes or information on our Alumi-Sliders or any of our sliding entry systems.

Track View:



TOP HUNG:

Vertical View:



ALUMI SLIDER- *Top Hung & Bottom Roller Systems*

In-line Top Hung Alumi Slider with Sandblast Glass

FEATURES:

- 2” Rollers
  - Max weight cap. 220lbs per roller
- We can match any size top or bottom rail (up to 10”)
- Size limitations 60" x 108"
- Interior application only
- Top hung or Bottom roller
- Muntin Bars

GLASS OPTIONS:

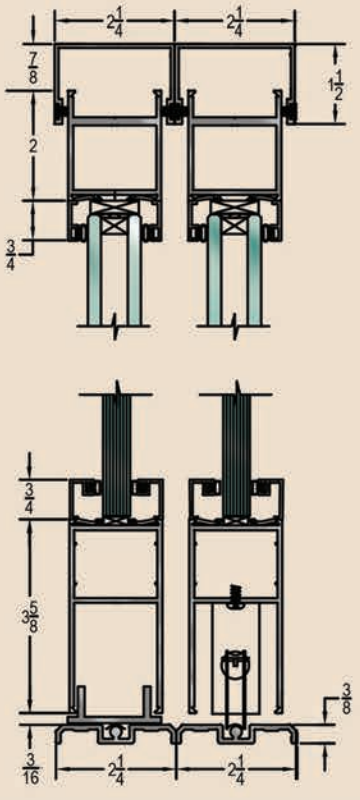
- 1/4", 3/8" 1/2" & 1"
- Tempered
- Laminated
- IG Units

DOOR STILES:

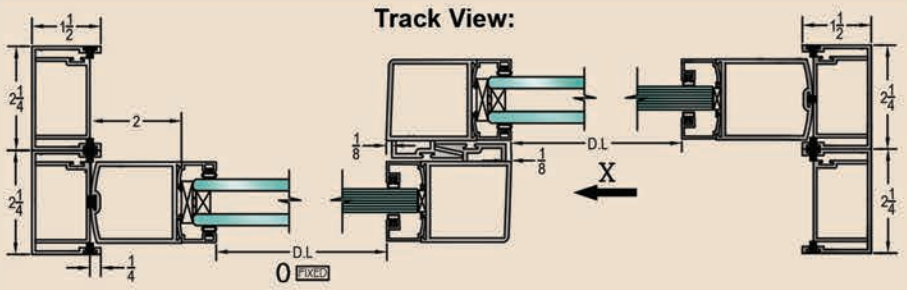
- Narrow Stile- 2"
- Medium Stile- 3 1/2"
- Wide Stile- 5 1/8"

BOTTOM ROLLED:

Vertical View:



Track View:



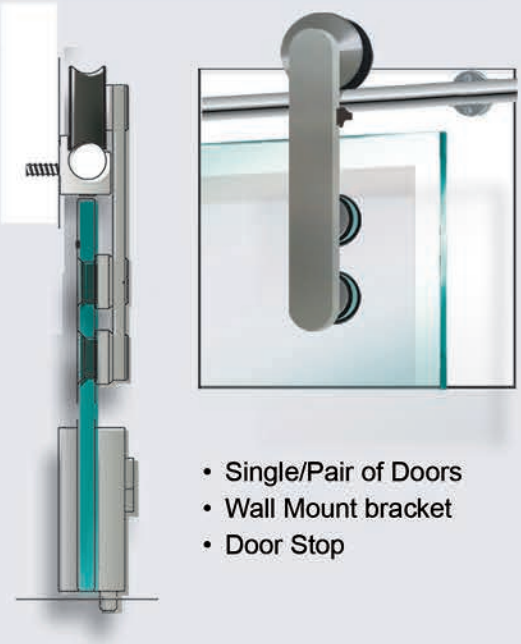
RUBY ALL GLASS SLIDER

Contemporary and Elegant Interior Top Hung Stainless Steel Sliding System

Glass Mount Ruby Slider System with Short Ladder Pull

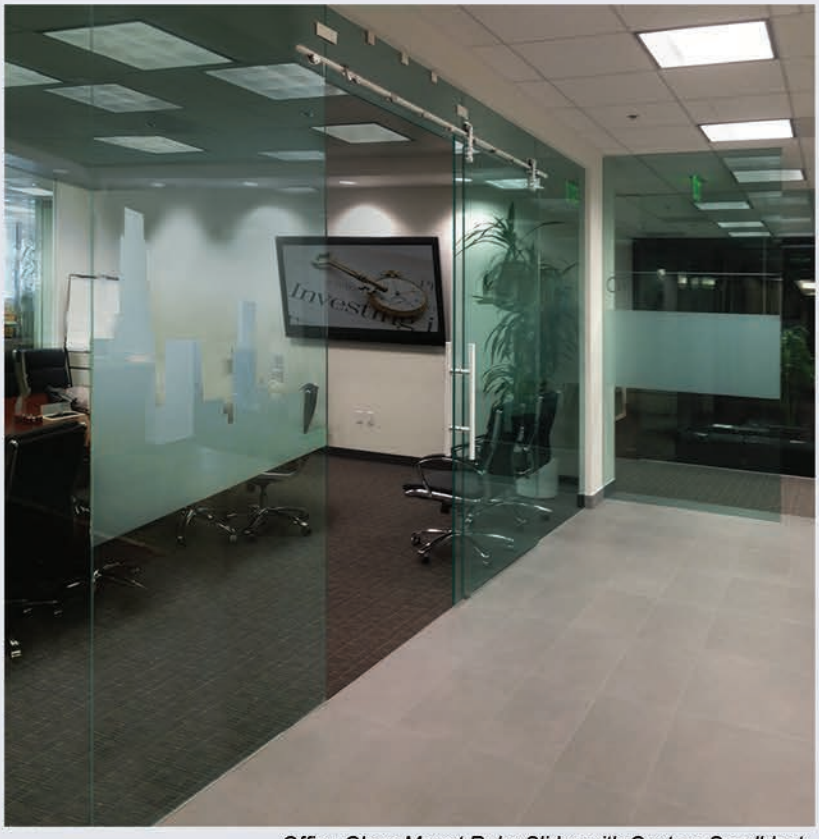
RUBY ALL GLASS SLIDING SYSTEM- *Configurations*

Wall Offset Surface Mount



- Single/Pair of Doors
- Wall Mount bracket
- Door Stop

Dual Function Wall Mount Residential Ruby Slider



Office Glass Mount Ruby Slider with Custom Sandblast

Glass Mount

- Single/Multiple Doors
- Glass Mount bracket
- Door Stop
- S/L head channel
- Transom head channel

TIFFANY ALL GLASS SLIDER

Top Hung Sliding Unit Slides Effortlessly Using Only Two Small Suspension Points

Office Tiffany Slider System Double Doors with Custom Sandblast Design & Square Locking Ladder Pulls

TIFFANY ALL GLASS SLIDING SYSTEMS- *Features*

Configurations
- Single Pocket
  - Hidden Pocket
  - Lateral Surface mount
- Door/Fixed Panel

Mounting Options
- Top Hung
  - Concealed/exposed
- Lateral
  - Surface mount

Hardware
- Flush Mount
  - Finger Pull
- Concealed Door Stop
- Floor Guide
  - Surface mount

Multiple Tiffany Sliding Systems with Easy Lock Ladder Pull

Conference Room Tiffany Sliding System

Top Hung Slider Door/Sidelite
2 3/8" Diameter Bracket

CLEARVISION MOVABLE WALL SYSTEM

Top Hung Movable Glass Wall System Provides Great Design Flexibility When the Design Intent is to Maintain a Secure but Transparent Entry that Will Allow For a Partial or Complete Unobstructed

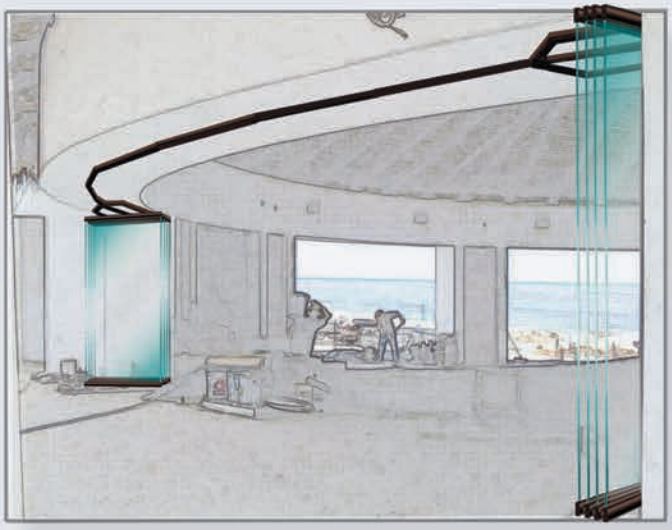
Movable All Glass Top Hung Slider/Stacking Door System

All Glass Stacking Multiple Panels System / Swing Doors Function

CLEARVISION SLIDING SYSTEMS- *Configurations*

- Single/Multiple Panels
- Dual Swing / Sliding
- In-line or Stacking

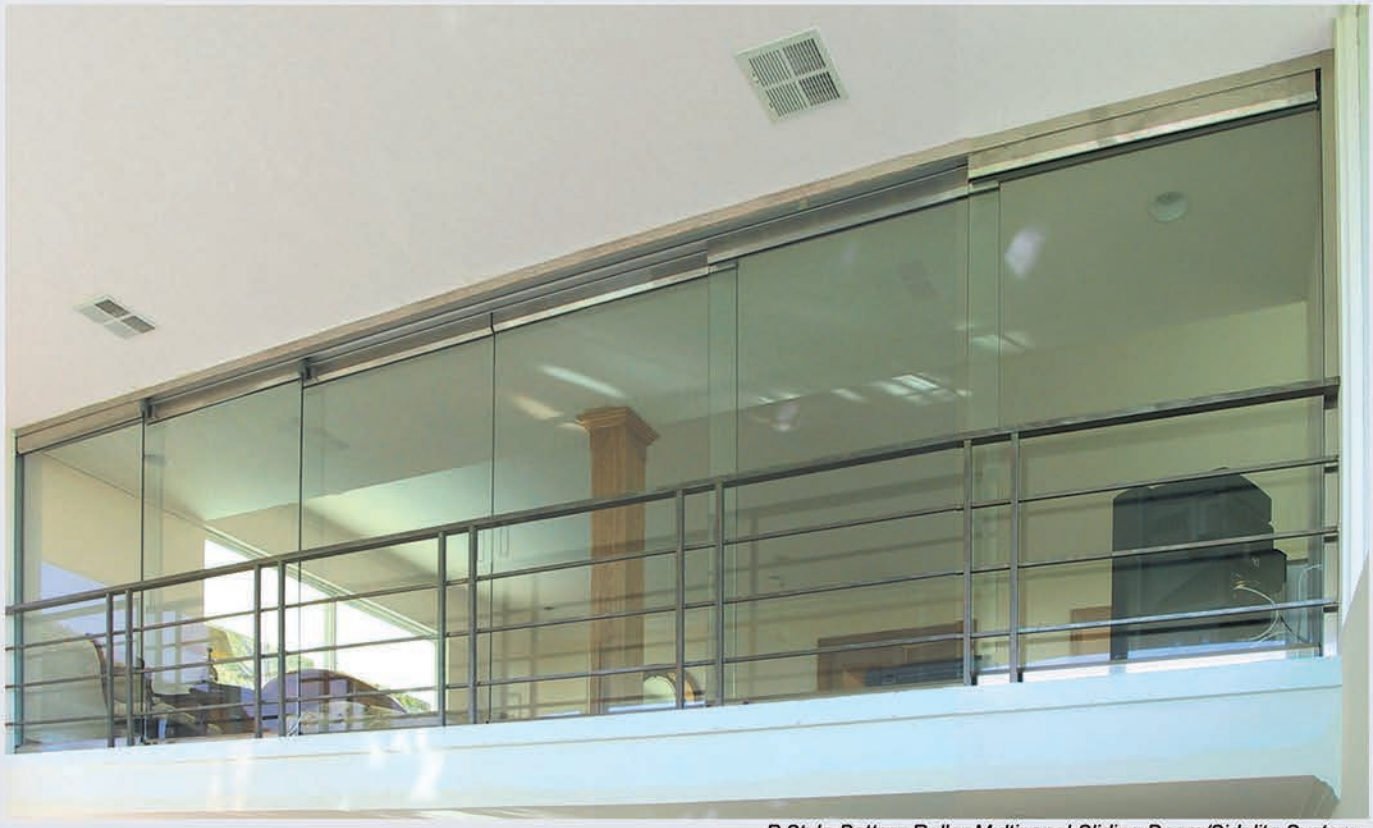
Clearvision All Glass Slider, Swing, Stacking Door System



CLASSIC SLIDING SYSTEM

Providing Strength and Beautiful Solutions for Practically Any Exterior or Interior Application

P Style Bottom Roller Sliding Doors & Frameless Sidelites

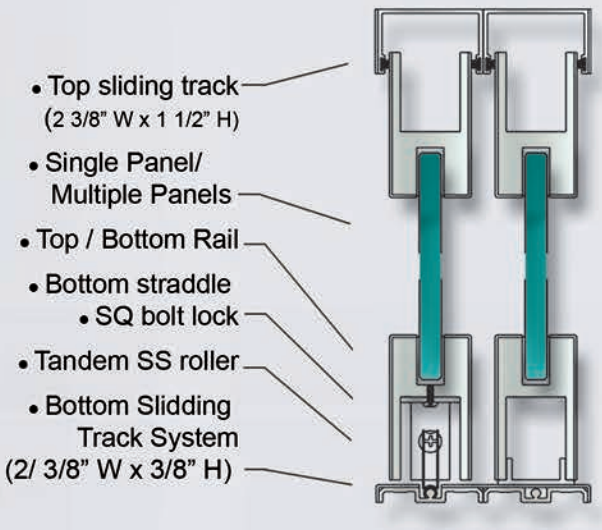


P Style Bottom Roller Multipanel Sliding Doors/Sidelite System

Double Doors Sliding System with Top and Bottom Sliding Tracks

Bottom Rollers System

PRL Sliding Systems offer unlimited options wherever valuable space and exposure is critical with:



COMPLETE SHOWER / STEAM UNITS

Offer an Elegant Accent to the Bath Environment and Enhances Custom Tile or Marble Work

Nu vision frameless units features:

- Hinge/Pivot Swing or Slider Doors
- Tempered Safety Glass
- Clear, Textured or Sandblast Glass
- Custom Glass/Metal Fabrication
- Water/Steam Tight Seals
- 1/4", 3/8" or 1/2" Glass

90 Degree Shower Unit with Movable Transom Panel

SHOWER / STEAM UNITS- *Configurations*

Single Door Shower Unit wIth Starphire Glass

90 Degrees Shower Unit with Shower Glass

Oversize Mirror and 135 Degree Shower Unit with Diamond Seal Coating Glass

SHOWER DOORS- *Knobs & Pulls*

PRL offers a complete and exclusive line for SD Pulls. Illustrated hardware is PRL's standard SD Knobs and Pulls, which offer significant design flexibility and are available in several standard finishes to choose from.

PRL Pulls Features:

- 3/4" Brass Tubing or Solid Bar
- 3/8", 1/2", Glass Mount
- 6", 8" or Custom Size*
- 12", 18", and 24" Towel Bar

Available finishes are:

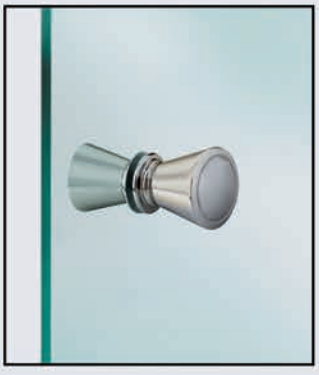
- Stainless-steel (Chrome & Brushed)
- Brass (Polished & Brushed)
- Oil Rubbed Bronze
- Plated Nickel (Polished & Brushed)
- White/Black Powder Coat
- Custom Color Powder Coat

Applications include back to back, single mount pull/towel bar etc.

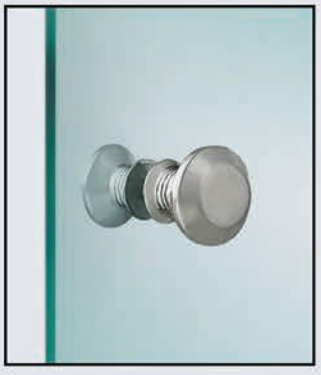
PL-SQ8X8- Square (BN, CH, ORB)

Neo-Angle Shower Unit with Bow Knob

PL-KNOB - Standard



PL-BK - Beverly

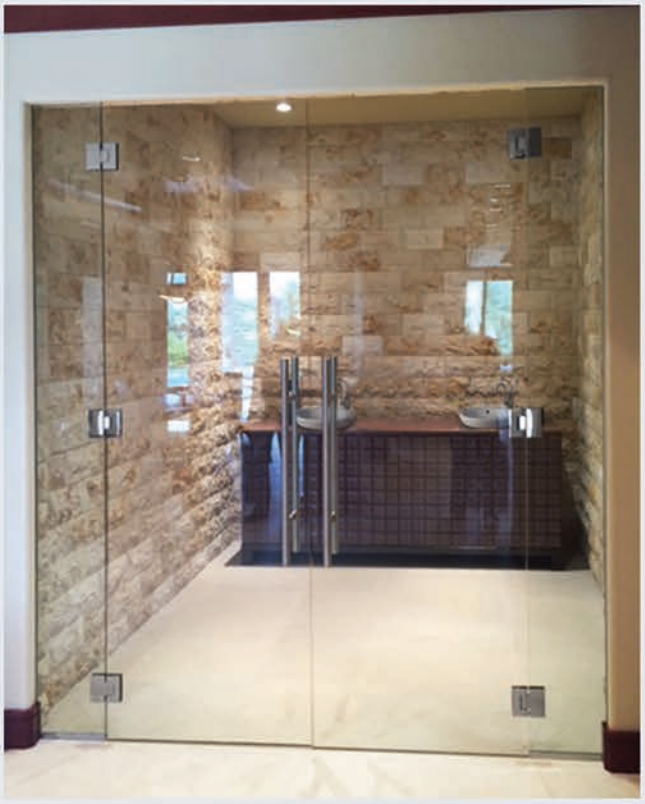


PL-BSK - Bow

PL-KDD - Knobs

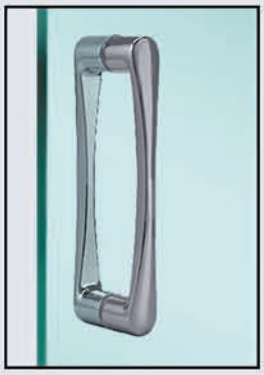
SHOWER DOORS- *Knobs & Pulls*

Custom Wave Top Shower Unit with Standard Pull



Double Doors Shower Unit with Ladder Pulls

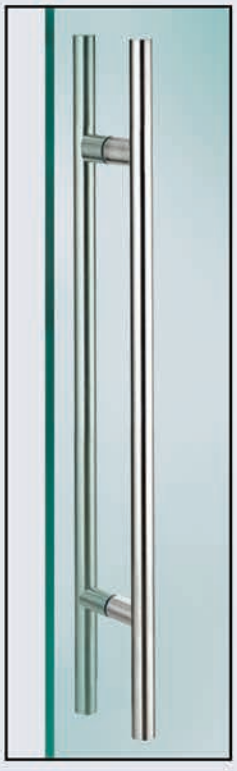
PL3SD6 - Standard(6")



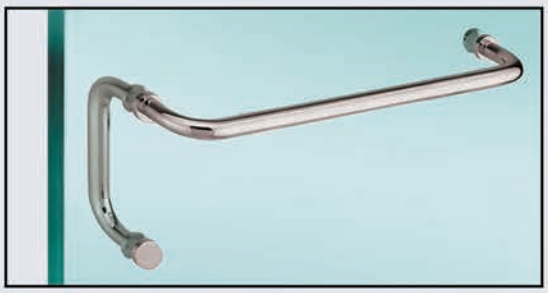
PL-C - Contoured (6 1/4")

PL-CTP - Contemporary (8")

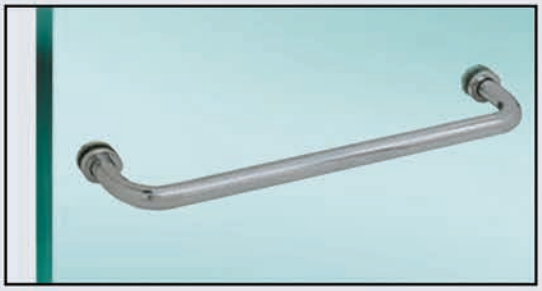
PL-MLP - Mini Ladder (8")



PL-LADDER - Ladder



PL-8SD618 - Standard Combo (6"/18" or 6"/24")



PL-18SSTBBN - Single Towel Bar (18" or 24")

SHOWER DOORS- *Hinges & Clamps*

90 Degree Unit with Header and Top/Bottom Pivot

Nu Vision Shower units are made functional with the use of a variety of fully engineered Pivot/Hinges.

Available finishes are:

Brushed Nickel

Polished Chrome

Oil Rubbed Bronze

Applications include wall mount, glass to off-angle, glass to glass, etc.

SAMSON DOOR CLOSER / PATCH

Now available for shower enclosures

PL-424BS
Top Patch

PL414-HYHD
Door Closer/Patch

BELLA

PL-TBHD044CH
Offset BPWM

PL-TBHD045CH
135° GG

PL-TBHD180CH
180° GG

PL-TBHD074CH
Short BPWM

TB PIVOT

PL-ABCGTC
Bottom Pivot

PL-ABCGTH
Pivot Hinge w/Header Adaptor*

**Header avaliable consult us for details*

SYDNEY

PL-TSHD044CH
Offset BPWM

PL-TSHD045CH
135 ° GG

PL-TSHD180CH
180° GG

PL-TSHD074CH
Short BPWM

PL-TSHD037CH
Full BPWM

DIVINE

PL-DWMCH
Short BPWM

SHOWER DOORS- *Hinges & Clamps*

CONTOURED

Hinges

PL-CWMCH
Short BPWM

PL-C045CH
135° GG

PL-C180CH
180° GG

Clamps

PL-CTC188CH
180° GG

PL-CTC186BN
Movable WM

PL-CCCH
WM

SADE

Hinges

PL-TS074BN
Short BPWM

PL-TS045CH
135° GG

PL-TS180CH
180° GG

Clamps

PL-TS044CH
Offset BPWM

PL-TSC188CH
180° GG

PL-TSC186CH
Movable WM

PL-TSCBN
WM

BEVERLY

Hinges

PL-TB044CH
Offset BPWM

PL-TB074BN
Short BPWM

PL-TB045CH
135° GG

PL-TB180CH
180° GG

Clamps

PL-TBC180CH
Fixed

PL-TBC188CH
Movable Tram.

PL-TBC90CH
90° Fixed GG

PL-TBC135CH
135° Fexed GG

PL-TBCCH
Fixed WM

PL-TBC186CH
Movable WM

SLEEVE OVER

Clamps

PL-90SOCH
90° Over Glass

PL-135SOCH
135° Over Glass

In-Line Unit with Beverly Series 180⁰ Hinge and Clamps

Custom Cut-out Glass Shower Unit

Custom Cut Shower Units with Sandblast Glass

Custom Exterior Shower Units with Acid Etch Glass

SHOWER DOORS- *Glass Fabrication*

PRL custom glass fabrication on showers and steam units will meet the most creative design concepts and intricate field conditions.

ONE PIECE CUSTOM GLASS!

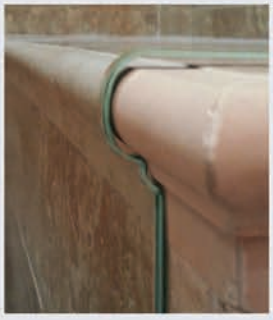
Custom Shower Unit with One Piece Acid Etch Texture Glass

CUSTOM VENT CUTOUT

CUSTOM TRANSOM CUTOUT

OCEAN SURF TOP

CORNER CUTOUT DETAIL



TILE NOTCH

SANDBLASTED ARCHED TOP

CUSTOM SANDBLAST GLUECHIP

SEAMLESS MITER CORNER

WAVE TOP

CONTOURED SHOWER SLIDER

The Most Popular Tub and Shower Slider, You Don't Have to Sacrifice Beauty for Practicality

Glass is offered in 3/8" with options in,

- Clear Glass / Tinted Glass
- Pattern Texture Glass
- Custom Sandblasted Glass

Available finishes are:

- Bright-Dip Clear Anodized
- Oil Rubbed Bronze
- Brushed Nickel
- Custom Color Powder Coat

Standard Hardware:

- Single Towel Bar/Singles Knob

Shower Slider in ORB Finish with Texture Glass

Shower Slider with 3/8" Starphire Glass in Brushed NIckel Finish

Bright-Dip Anodized Shower Slider with Towel Bar

FRAMELESS SHOWER SLIDER

Frameless, Trendsetting Design and an Smooth, Effortless Operation

PRL has what you're looking for- our 3/8" Ruby and Tiffany shower door sliders! These stunning all-glass shower sliders will take your breath away with their frameless, cutting-edge design. Multiple 3/8" glass options to choose from and easy, smooth operation.

Features:

- Modern 4-wheel roller system
- Easy and smooth sliding operation
- Multiple 3/8" glass options
- Maximum door weight: up to 130 lbs.
- Support Bar: up to 60"

3 Different Hardware Finishes

Oil Rubbed Bronze

Brushed Stainless Steel

Polished Steel

RECTANGULAR SLIDING TRACK

Tiffany Shower Slider in Oil Bronze Finish

Sample shown in BSS

ROUND SLIDING TRACK

Ruby Shower Slider with Starphire Glass

Sample shown in ORB

COMPLETE HANDRAIL SYSTEMS

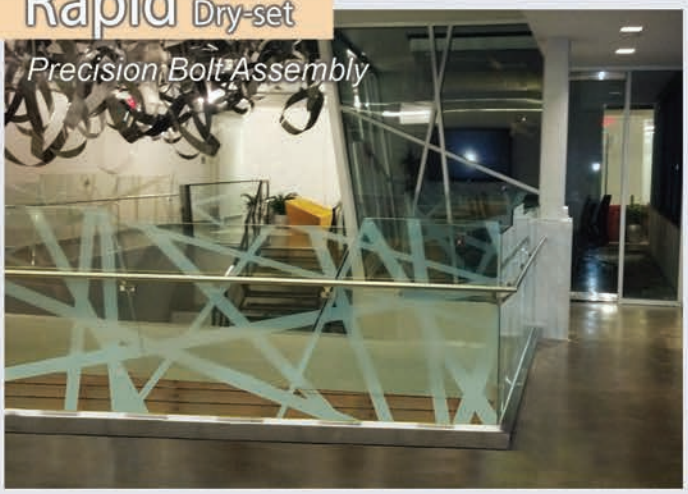
PRL Offers Contemporary Railing Systems Options, Components as well as Custom Fabrications

Elegante Handrail System with Flat Cap Standoffs

HANDRAIL/GUARDRAIL SYSTEMS- *Complete Systems*

Rapid Dry-set

Precision Bolt Assembly



Elegante Stand-off

Offset Surface Mount

Infinity Floor Post Mount

Modular System

Flex Post

Multiple Applications

Traditional Wet-set

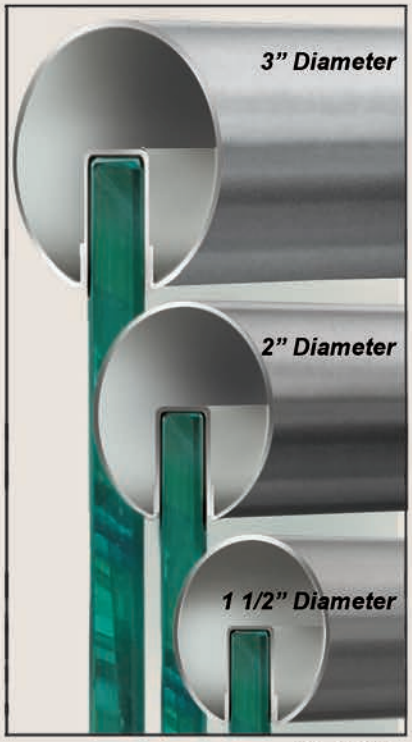
High Compression Wet Glazed

Gates/Fencing

Laminated Glass

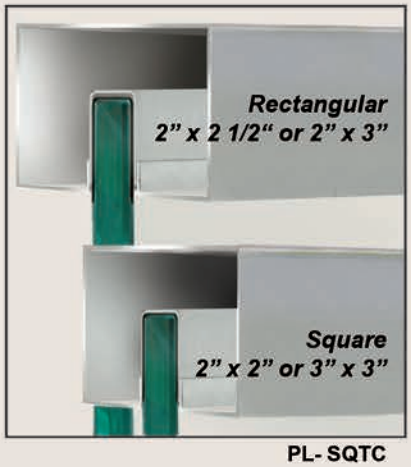
GUARDRAIL/HANDRAIL SYSTEMS- *Top Caps*

BRAKEFORMED ROUND



PL- TCBS

SQUARE



PL- SQTC

Stainless Steel Finishes
(Brake-Formed Clad)
8 Polished, #4 Satin

Naval Brass
Polished & Satin

EXTRUDED ALUMINUM

PL-ATC

Extruded Aluminum Finishes:
Mill, Clear and Bronze
Powder Coat
White

We also offer custom fabrication, machining and finishing services, as well as variety of standard & custom components.

Handrail/Guardrail Glass System with Square Top Cap

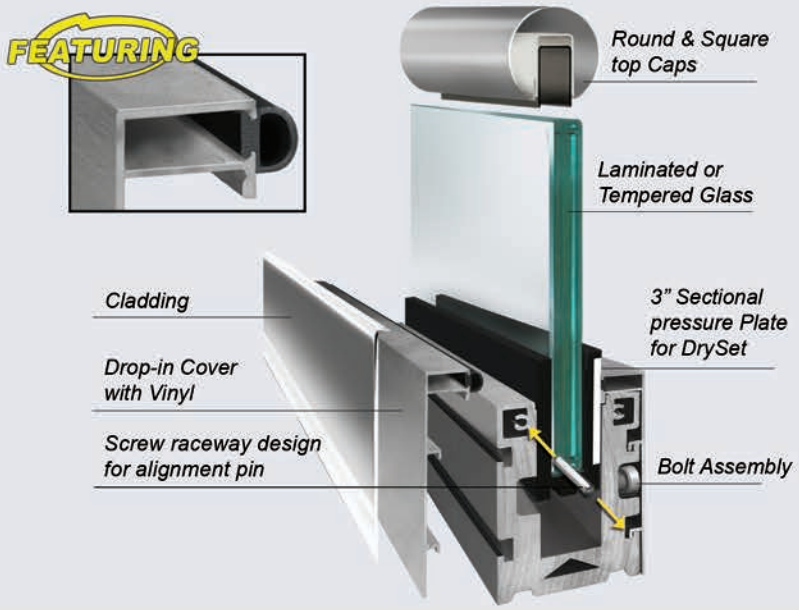
HANDRAIL/GUARDRAIL SYSTEMS- *Rapid Dryset 4" & Mini Mighty 2 ¾"*

New Features:

- Drop in cover plate with vinyl included for unique faster glazing solution
- 35% Lighter vs the traditional shoe base
- Screw raceway design for alignment pin and end cap attachment

Other:

- Dry-set bolt assembly
  - Time and labor saver
  - No special tools required
- Can be used dry/wet glazed
- 10' & 20' Stock Lengths
  - Custom lengths available



ALL COMPONENTS ARE SOLD SEPARATELY:

Cladding

- Polished/Brushed Stainless Steel
- Polished/Brushed Naval Brass*

**No lacquer*

Drop in Cover

- Mill Finished
- Clear Anodized
- Bronze Anodized
- Powder Coat

Shoe Base

Aluminum Mill Finish Cover

2 3/4" Height

4" Height
(1/2 or 3/4 glazed)

**Standard Base comes w/ Mill Finish Covers*

3" Sectional Pressure Plate for Dry-Set only

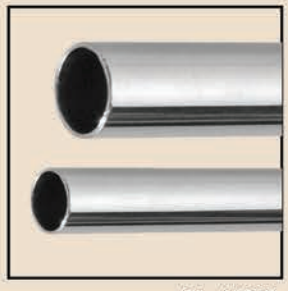
Rapid Dryset 4" Guardrail System with Sentry Laminated Glass

HANDRAIL/GUARDRAIL SYSTEMS- *Glass & Wall Mount Brackets*

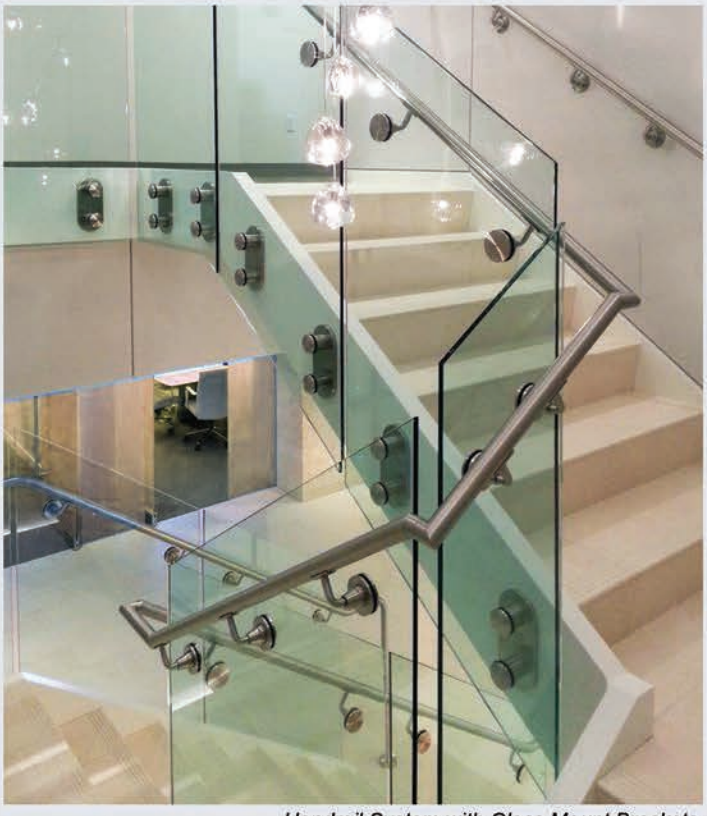
PL- HR20XDWBS
Adjustable Wall Mount
Bracket for 1 1/2" Dia Tubing

PL- HR20XCGPS
Wall/Glass Mount Bracket
for 1 1/2" Dia. rail

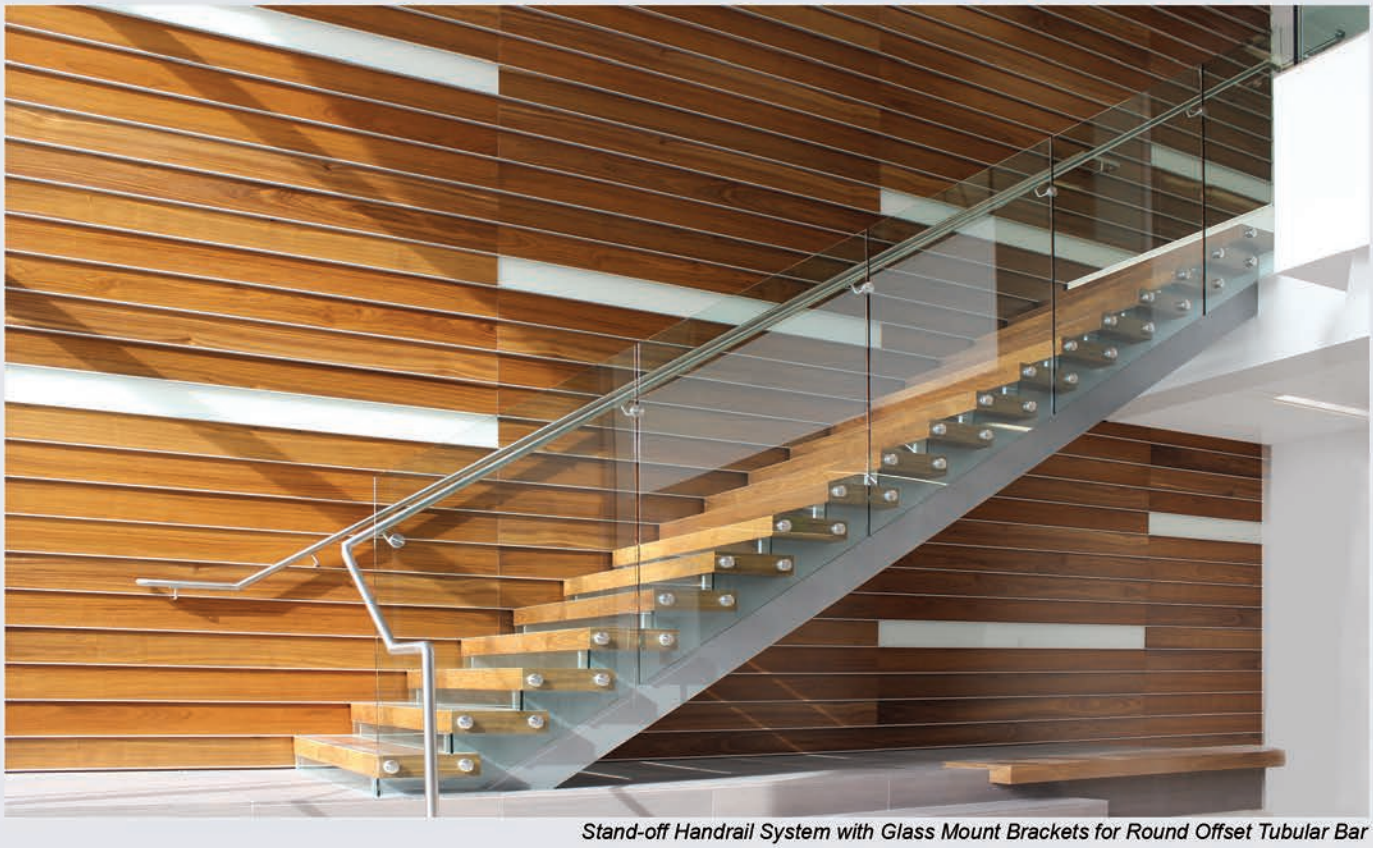
PL- HR20XEGPS
Adjustable Glass Mount
Bracket for 1 1/2" Dia Tubing



PL- HR15
1 1/2" Dia./ 2" Dia.
HR Round Tube



Handrail System with Glass Mount Brackets



Stand-off Handrail System with Glass Mount Brackets for Round Offset Tubular Bar

Elegante Stand Off System with Laminated SentryGlas®

Custom Length Standoff Bracket and Flat Caps

PL-RSOBD20BS
4"w x 8" h SQ. Corners
Round/Flat Cap

PL-R2SOBD20BS
Round Mount Bracket
for 2" Standoff

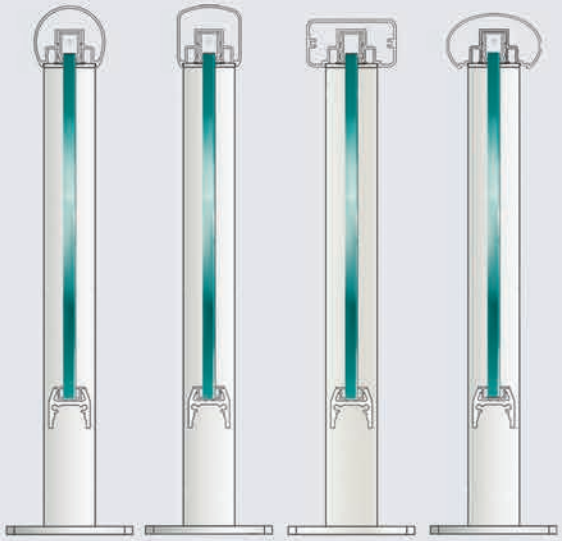
PL-RSOB2134BS
2" Dia.
SQ / Round Cap

Custom Length Standoff

HANDRAIL/GUARDRAIL SYSTEMS- *Infinity Floor Post Mount*

Aluminum Modular Railing

Offering, easy installation solutions & the best systems in the industry! For 1/4” and 3/8” glazing.



Series	200	250	300	350

Infinity Handrail Project

Infinity Aluminum Modular Floor Mount Handrail System with Laminated Glass

HANDRAIL/GUARDRAIL SYSTEMS- *Flex & Custom Post*

PRL's Stainless Steel Flex Custom Post is just that "flexible", and our adjustable stand-offs can easily adapt to special angles on your job conditions, while enhancing the appearance of your project with elegance and style. With our in-house full capacity metal fabrication capabilities, we can create Custom Posts to any height, shape and form with maximum accuracy, durability, and superb craftsmanship.

Accessories available for Custom HR/GR Systems:

- Custom Post
- Wall & Glass Mount Brackets
- Oversize/Custom Glass Fabrication
- Laminated Glass Options offer
  ` unlimited aesthetic & safety features

PRL Fabricates Custom Posts In-House based on Customer's Requirements

Custom Post Handrail Series with Sentry Laminated Glass

CUSTOM GATES

PRL Offers a Variety of Glass and Metal Gate/Fencing for Standard and Custom Applications

PRL Glass gates add a contemporary option to access control for residential or commercial applications. Our Glass and Aluminum Gates combine the best qualities, of aesthetic transparency, privacy and security. The transparency of glass is a wonderful way to showcase beautiful gardens, pools, views or property structures and our hardware selection offers security options with euro lock/lever handles, strikes, fittings or adaptable centerlock housings.

We provide complete glass gates and fences, fabricated to your specifications in our facility and delivered ready to install.

Access Gate with Acid Etch Glass

Custom All Glass Fence/Guardrail System

Beach Access Gate with Centerlock Housing

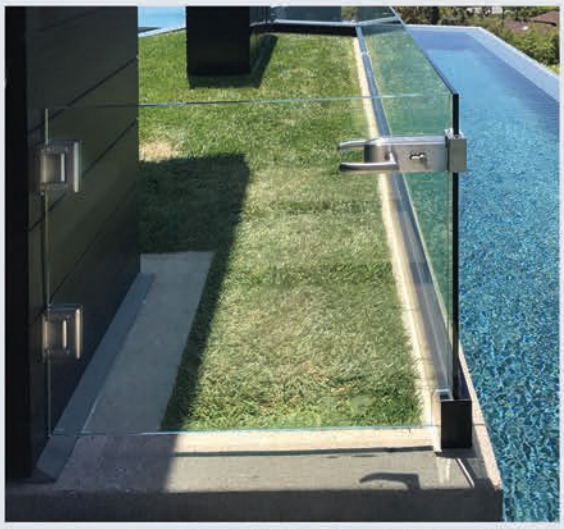
Glass Gate with CLH Glass/ Digital Key-Pad

GATES- *All Glass, Stainless Steel & Aluminum Applications*

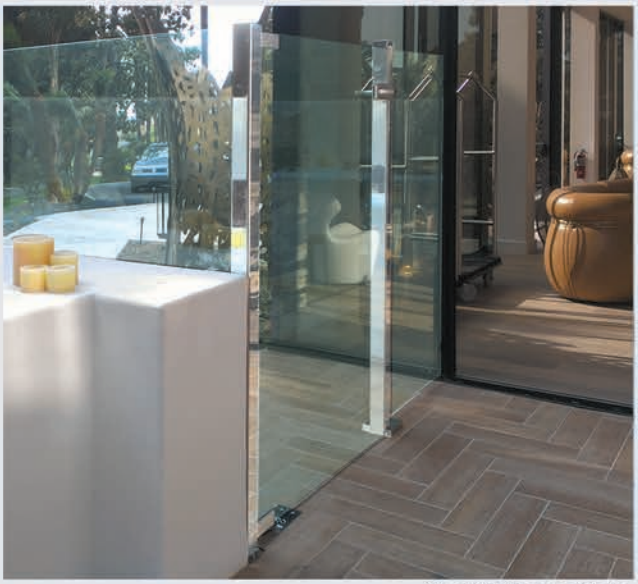
Full Frame Gates with Textured Laminated Glass

Custom Access Gate with Centerlock Housing

Aluminum Gates with White Rainbow Color Laminated Glass



Security Gate with Custom Strike Application



Security Access Gate

Access Control Gate with Sandblast Design Logo

STOREFRONT SERIES

Complete Glass and Metal Systems Ready to Install

Custom Storefront Doors with Custom Pulls

- Complete Fabricated Systems
- Stock Lengths Available
- Shop Drawing Services
- All Hardware Options Avaliable
- Unlimited Glass Options:
  - Clear
  - Textured
  - Tinted Uncoated
  - Spandrel
  - Sentry
  - Low E
  - Sandblast
  - Reflective
  - Laminated
  - Custom

Storefront Series

201	2" x 4 1/2" 1/4" Offset Glazed
250	2" x 4 1/2" 1" Center Glazed
251	2" x 4 1/2" 1" Offset Glazed
400	1 3/4" x 4" 1/4" Center Glazed
401	1 3/4" x 4" 1/4" Offset Glazed
450	1 3/4" x 4 1/2" 1/4" Center Glazed

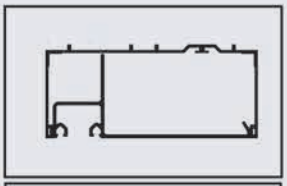
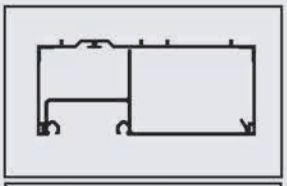
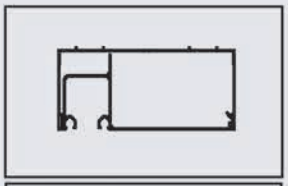
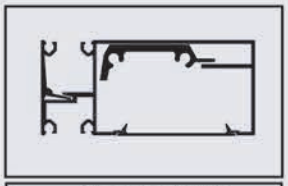
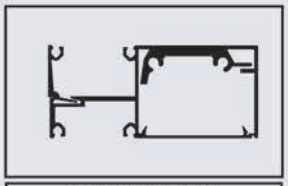
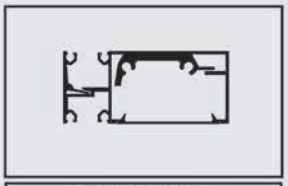
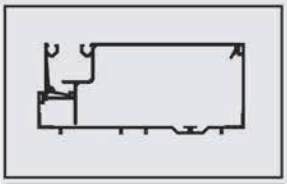
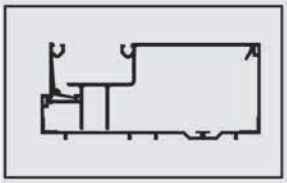
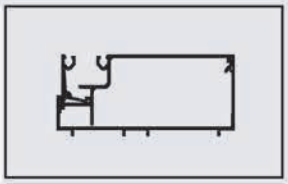
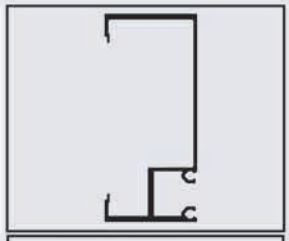
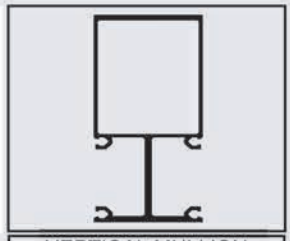
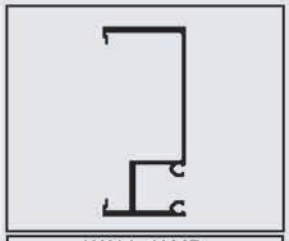
250 Series Entrance System with Full Height Ladder Pulls

251 Series with Steel Stiffener Reinforced and 1/4" Solarban® 60 Low-E and Atlantica IG Units

250 Series with Coastal Custom Paint

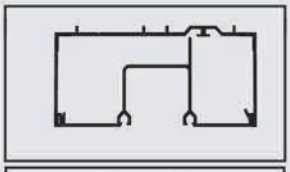
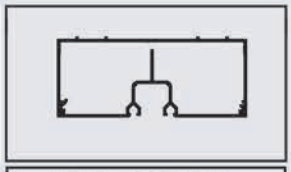
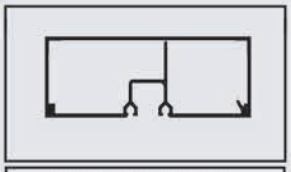
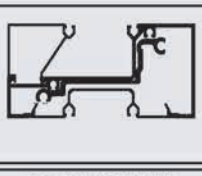
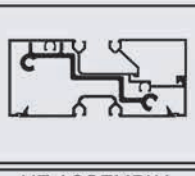
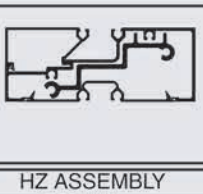
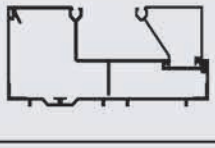
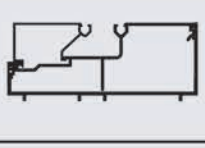
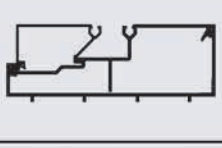
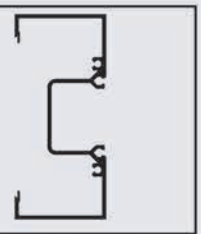
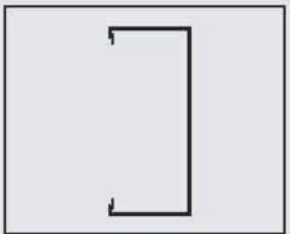
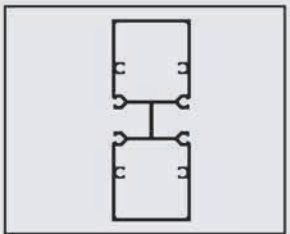
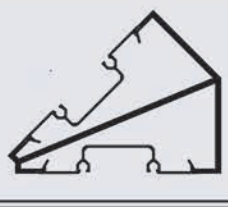
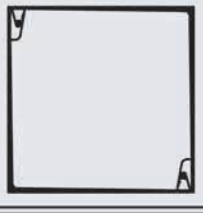
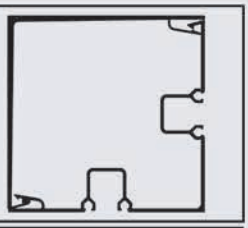
250 Series with Vistacool Reflective Glass IG Units

STOREFRONT ALUMINUM SYSTEMS- *Offset Glazed Series*

	201 SERIES 2" x 4 1/2" 1/4" Offset Glazed	**251 SERIES** 2" x 4 1/2" 1" Offset Glazed	**401 SERIES** 1 3/4" x 4" 1/4" Offset Glazed
			
HEAD			
NAME	HEAD ASSEMBLY	HEAD ASSEMBLY	HEAD ASSEMBLY
PART NUMBER	201HCA	251HCA	401HCA
LENGHT	24'-1"	24'-1"	24'-1"
			
HORIZONTAL			
NAME	HZ ASSEMBLY	HZ ASSEMBLY	HZ ASSEMBLY
PART NUMBER	201HMA	251HMA	401HMA
LENGTH	24'-1"	24'-1"	24'-1"
			
SILL			
NAME	SC ASSEMBLY	SC ASSEMBLY	SC ASSEMBLY
PART NUMBER	201SCA	251SCA	401SCA
LENGTH	24'-1"	24'-1"	24'-1"
			
JAMBS			
NAME	WALL JAMB	VERTICAL MULLION	WALL JAMB
PART NUMBER	201WJ	251VM	401WJ
LENGTH	24'-1"	24'-1"	24'-1"

MATERIAL: 6063-T5 aluminum alloy.
FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.
NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

STOREFRONT ALUMINUM SYSTEMS- *Center Glazed Series*

	250 SERIES 2" x 4 1/2" 1" Center Glazed	400 SERIES 1 3/4" x 4" 1/4" Center Glazed	450 SERIES 1 3/4" x 4 1/2" 1/4" Center Glazed
HEAD			
NAME	HEAD ASSEMBLY	HEAD ASSEMBLY	HEAD ASSEMBLY
PART NUMBER	250HCA	400HCA	450HCA
LENGHT	24'-1"	24'-1"	24'-1"
HORIZONTAL			
NAME	HZ ASSEMBLY	HZ ASSEMBLY	HZ ASSEMBLY
PART NUMBER	250HMA	400HMA	450HMA
LENGTH	24'-1"	24'-1"	24'-1"
SILL			
NAME	SC ASSEMBLY	SC ASSEMBLY	SC ASSEMBLY
PART NUMBER	250SCA	400SCA	450SCA
LENGTH	24'-1"	24'-1"	24'-1"
JAMBS			
NAME	WALL JAMB	DOOR JAMB	VERTICAL MULLION
PART NUMBER	250TJ	400DJ	450VM
LENGTH	24'-1"	24'-1"	24'-1"
135 CORNER POST			
NAME	135 CPOST		
PART NUMBER	250NCPA		
LENGTH	24'-1"		
FLAT CORNER POST			
NAME		FLAT CORNER POST	
PART NUMBER		400FCPA	
LENGTH		24'-1"	
DUAL POCKET CORNER POST			
NAME			CORNER POST (2P)
PART NUMBER			450DBCP
LENGTH			24'-1"

MATERIAL: 6063-T5 aluminum alloy.

FINISH: Standard finishes are mill, clear and bronze anodized. All others are special order.

NOTES: Storefronts are available in quick set or screw race, please consult PRL aluminum for details

ALUMINUM CURTAINWALL

Designed and Engineered for Maximum Performance

PLCW-600 Series with Low E Clear Glass IG Units

PRL Aluminum Curtain Wall Systems (PL-CW600, 700 and 1000) offer a structural solution when standard storefront is insufficient to meet size and load requirements. Our Curtain Wall is designed and engineered for maximum performance and highest quality assurance. We offer complete systems including doors, sub-frames, hardware and glazing.

- Aluminum Framing/All Glass
- Custom Extrusions
- Complete Storefront System
- CNC Fabrication
- Hardware
- Custom Breakmetal
- Architectural Glass
  - IG Units
  - Tempered Glass
  - Spandrel
  - Reflective Glass

Curtain Wall Series

- PLCW-600 - 2 1/2" x 6"
  1" Offset Glazed
- PLCW-700 - 2 1/2" x 7"
  1" Offset Glazed
- PLCW-1000 - 2 1/2" x 10"
  1" Offset Glazed

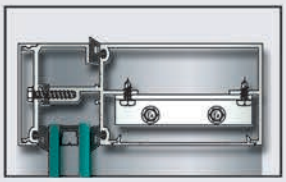
PLCW-700 with SNX 68 Super Neutral Glass

PLCW-600 Series with Pacifica Tinted Glass

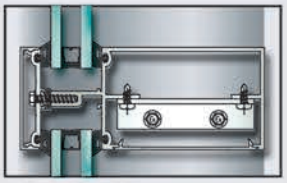
ALUMINUM CURTAINWALL- *Features*

PLCW-600 Series with IG Units

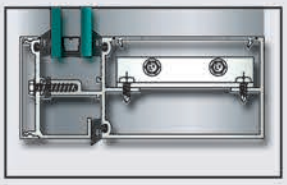
Curtainwall with TInted & Spandrel Glass



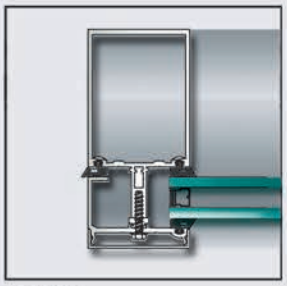
HEAD



HORIZONTAL



SILL



JAMBS

Curtainwall System with Reflective Glass

Features

- Versatile
- Structural
- Energy efficient
- Custom design
- Fastest design/mfg

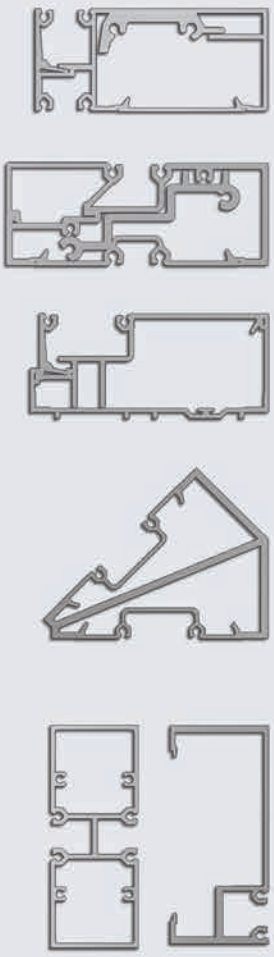
*Please Consult PRL for details

ALUMINUM EXTRUSION

We Can Extrude Custom Aluminum Profiles

Capabilities:

- PRL specializes in 6,000 series alloy & inventories 6063, 6463 and 6061 in a variety of tempers.
- Extrude heavy weight shapes up to 10 lbs./ft. with PRL's powerful 2400-ton press, depending on alloy
- Accommodate up to 9 ½" diameter shapes.
- Accommodate custom & standard circle shapes from as little as 3/8" to 10".
- Exceptional hollow shape capabilities! We hold tight tolerances and maintain uniform wall thicknesses.
- Accommodate lengths up to 55 feet with our over size aging oven.
- Special lengths per our customer's specifications, reduced waste. PRL passes the savings onto our customers!



PLCW-700 Curtainwall with Reflective Glass

ALUMINUM CLADDING

Custom Form Metal Profiles

Clad

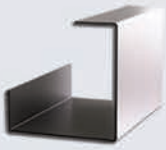
- Full Frame Doors
- Storefront Framing
- Column Covers
- Cornices
- Panel Pans
- Top Caps
- Miter Returns/Corners
- Corners
- Connectors

Metal Finishing

- Mirror Polishing
- Directional
- Satin Brush

Full Frame Doors & Storefront Framing Cladded in Stainless Steel

Brakeformed Shapes



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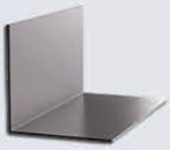
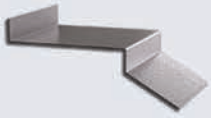


•L-Angle



•Z-Shape

•U-Shape

•Hat

•Close-U

Custom Shapes

Full Frame Doors and Framing Clad in #8 Polished Stainless Steel

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