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
ARCHITECTURAL GLASS

with the fastest LEADTIMES in the industry guaranteed!

PRL GLASS 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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   Frameless Shower Sliders

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PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com
## 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.

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[Logo]

(800) 433-7044

www.prlglass.com
COMPANY TERMS - Specifications on Glass

**WEIGHT**

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<tr>
<th>Thickness</th>
<th>Weight Per lb. per sq.ft.</th>
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<td>3/4&quot;</td>
<td>±3/16&quot;</td>
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**Machined Edges:**

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<td>±1/4&quot;</td>
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2. Thickness:

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<td>±1/32&quot;</td>
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<tr>
<td>3/4&quot;</td>
<td>±1/32&quot;</td>
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</tbody>
</table>

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 angle 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:*

![Miter Diagram](image1.png)

*Image 2:*

![Glass Diagram](image2.png)

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

**CLEAR GLASS**

Offers excellent optical properties with high visible light transmittance

Available thickness:

**LOW IRON GLASS**

Practically colorless glass for unlimited applications
- Starshine
- Diamante
- Opti-White

Available thickness:

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

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

Shower Unit with Low Iron Glass
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.
### 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

#### Pyrolytic (Hard Coats)

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<td>Energy Advantage</td>
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#### SOFT COATS

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<td>Solarban® 90</td>
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#### MSVD (Soft Coats)

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<tr>
<td>Super Neutral SNX 62/27 HT Clr</td>
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<td>Super Neutral 54 HT Crystal Gray</td>
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<td>Super Neutral 54 HT Clear</td>
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<td>SunGuard IS 20 HT Clr</td>
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<td>SunGuard SNR 43</td>
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*Please consult PRL for availability, sizes, performance data and technical limitations.*

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**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.

SOLEXIA®
1/8", 3/16", 1/4"

AZURIA®
1/4"

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

BRONZE
*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"
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 1/4" 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"

MIRROPOANE™
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.
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, colors/designs may vary from actual samples. Please consult PRL for details and availability.

DELTA FROST
5/32”

DELTA CLEAR
5/32”

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

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”

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com
TEXTURED GLASS - for Shower 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.
<table>
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<th>Glass Thickness</th>
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<th>Visible Light Reflectance</th>
<th>(BTU/hr·°F) N PFRC U-Value</th>
<th>Solar Heat Gain Coefficient (SHGC)</th>
<th>Light-to-Solar Gain (LSG)</th>
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<td>44</td>
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<tr>
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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

<table>
<thead>
<tr>
<th>Glass Thickness</th>
<th>Visible Light Transmittance (VLT)</th>
<th>Visible Light Reflectance</th>
<th>(BTU/hr°F²/F)</th>
<th>Solar Heat Gain Coefficient (SHGC)</th>
<th>Light-to-Solar Gain (LSG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>mm</td>
<td>Exterior %</td>
<td>Interior %</td>
<td>Winter Night-time</td>
<td>Winter Argon</td>
</tr>
</tbody>
</table>

**Uncoated**

**GRAYLITE® II Glass**

| 1/8 | 3 | 24 | 5 | 5 | 1.04 | na | 0.45 | 0.32 |
| 3/32 | 4 | 16 | 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 | 19 | 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 | 23 | 37 | 1.03 | na | 0.37 | 0.01 |

**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 | 0.66 |

**SOLARCOOL® (1) AZURIA® Glass**

| 3/16 | 5 | 27 | 20 | 36 | 1.04 | na | 0.32 | 0.54 |
| 1/4 | 6 | 26 | 19 | 36 | 1.03 | na | 0.31 | 0.54 |

**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 | 14 | 36 | 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 | 10 | 36 | 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 | 13 | 36 | 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 | 11 | 36 | 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°F²/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 (SG), 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.

---

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

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Visible Light Transmittance (VLT)</th>
<th>Visible Light Reflectance</th>
<th>(BTU/ft²·°F) NERG U-Value</th>
<th>Solar Heat Gain Coefficient (SHGC)</th>
<th>Light-to-Solar Gain (LSG)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Interior %</td>
<td>Winter Night-time</td>
<td>Winter Argon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uncoated</td>
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<td>45</td>
<td>45</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>CLEAR Glass + Clear</td>
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<td>15</td>
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</tr>
<tr>
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</tr>
<tr>
<td>SOLEXIA® + Clear</td>
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<tr>
<td>ATLANTICA® + Clear</td>
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<td>0.47</td>
<td>0.45</td>
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<tr>
<td>AZURIA® + Clear</td>
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<td>14</td>
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<td>0.45</td>
</tr>
<tr>
<td>SOLARBLUE® + Clear</td>
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<td>9</td>
<td>13</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>PACIFIC® + Clear</td>
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<td>7</td>
<td>13</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>SOLARBRONZE® + Clear</td>
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<td>8</td>
<td>13</td>
<td>0.47</td>
<td>0.45</td>
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<tr>
<td>OPTIGRAY® + Clear</td>
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<td>0.47</td>
<td>0.45</td>
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<tr>
<td>SOLARGRAY® + Clear</td>
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<td>7</td>
<td>13</td>
<td>0.47</td>
<td>0.45</td>
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<tr>
<td>GRAVITE® II + Clear</td>
<td>8</td>
<td>4</td>
<td>12</td>
<td>0.47</td>
<td>0.45</td>
</tr>
</tbody>
</table>

### Sungate® 400 Low-E Glass

| Sungate® 400 (2) Clear + Clear | 76 | 14               | 14            | 0.32                     | 0.28                        | 0.60                     | 1.27          |
| Sungate® 400 (2) STARPHERE + 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          |
| PACIFIC® + 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          |
| GRAVITE® 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) STARPHERE + 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) PACIFIC® + 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                        | 0.29                     | 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          |
| PACIFIC® + Solarban® 60 (3) Clear | 34 | 6                | 9             | 0.29                     | 0.24                        | 0.25                     | 1.30          |
| 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          |
| GRAVITE® 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

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Visible Light Transmittance (VLT)^2</th>
<th>Visible Light Reflectance^3</th>
<th>BTU/hr-ft^2°F</th>
<th>Solar Heat Gain Coefficient (SHGC)^4</th>
<th>Light-to-Solar Gain (LSG)^5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Exterior %</td>
<td>Interior %</td>
<td>Winter Night-time</td>
<td>Winter Argon</td>
<td></td>
</tr>
<tr>
<td>VISTACOOL® Subtly Reflective Glass</td>
<td>47</td>
<td>21</td>
<td>32</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>VISTACOOL (2) AZURIA + Clear</td>
<td>47</td>
<td>21</td>
<td>32</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>VISTACOOL (2) PACIFICA + Clear</td>
<td>29</td>
<td>11</td>
<td>31</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>SOLARCOOL® Reflective Glass</td>
<td>27</td>
<td>24</td>
<td>38</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>SOLARCOOL (2) AZURIA + Clear</td>
<td>24</td>
<td>20</td>
<td>38</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>SOLARCOOL (2) PACIFICA + Clear</td>
<td>15</td>
<td>10</td>
<td>38</td>
<td>0.47</td>
<td>0.45</td>
</tr>
<tr>
<td>SOLARCOOL (2) SOLARBLUE + Clear</td>
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<td>0.45</td>
</tr>
<tr>
<td>SOLARCOOL (2) SOLARBRONZE + Clear</td>
<td>19</td>
<td>14</td>
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<td>0.45</td>
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<tr>
<td>SOLARCOOL (2) SOLARGRAY + Clear</td>
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<td>11</td>
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<tr>
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<td>0.24</td>
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<tr>
<td>VISTACOOL (2) PACIFICA + SOLARBAN 60 (3) Clear</td>
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<td>11</td>
<td>23</td>
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<td>0.24</td>
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<tr>
<td>SOLARCOOL (2) SOLEXIA + SOLARBAN 60 (3) Clear</td>
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<td>0.24</td>
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<tr>
<td>SOLARCOOL (2) AZURIA + SOLARBAN 60 (3) Clear</td>
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<td>19</td>
<td>29</td>
<td>0.29</td>
<td>0.24</td>
</tr>
<tr>
<td>SOLARCOOL (2) SOLARBLUE + SOLARBAN 60 (3) Clear</td>
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<td>14</td>
<td>29</td>
<td>0.29</td>
<td>0.24</td>
</tr>
<tr>
<td>SOLARCOOL (2) PACIFICA + SOLARBAN 60 (3) Clear</td>
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<td>10</td>
<td>29</td>
<td>0.29</td>
<td>0.24</td>
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<tr>
<td>SOLARCOOL (2) SOLARBRONZE + SOLARBAN 60 (3) Clear</td>
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<td>14</td>
<td>29</td>
<td>0.29</td>
<td>0.24</td>
</tr>
<tr>
<td>SOLARCOOL (2) SOLARGRAY + SOLARBAN 60 (3) Clear</td>
<td>14</td>
<td>11</td>
<td>29</td>
<td>0.29</td>
<td>0.24</td>
</tr>
</tbody>
</table>

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/ft^2°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% airgas 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 radiated 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.

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## PERFORMANCE DATA - Guardian® Glass

### Advanced Architectural Glass

### Performance Data - SuperNeutral

<table>
<thead>
<tr>
<th>Product</th>
<th>Outboard - Inboard Substrate</th>
<th>Appearance</th>
<th>Transmittance</th>
<th>Reflectance</th>
<th>U-Value</th>
<th>Relative Heat Gain</th>
<th>Solar Heat Gain Coefficient</th>
<th>Light to Solar Gain (150)</th>
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<tbody>
<tr>
<td></td>
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<td></td>
<td>Visible Light %</td>
<td>Solar Energy %</td>
<td>Visible Light Out %</td>
<td>Visible Light In %</td>
<td>Solar Energy Out %</td>
<td>Nighttime</td>
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<td>SunGuard SuperNeutral</td>
<td>Coating #2 Surface</td>
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<td>11 13 51</td>
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<td>UltraClear - UltraClear</td>
<td>Clear Clear</td>
<td>62 6 23</td>
<td>11 12 39</td>
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<td>0.27</td>
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<td>Clear</td>
<td>52 3 18</td>
<td>9 12 10</td>
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<td>59</td>
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<td>TwilightGreen - Clear</td>
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<td>46 2 16</td>
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<td>8 11 19</td>
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<tr>
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<td>14 14 46</td>
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<td>2.09</td>
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<td>10 13 8</td>
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<td>1.93</td>
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<tr>
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**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 R2 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.

---

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 - Guardian® Glass

## Advanced Architectural Glass

### Performance Data - High Performance & Solar

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### Performance Data with SunGuard IS 20

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**NOTES SPECIFIC TO THE SUNGUARD SUPERNEUTRAL WITH 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
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

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.
FIRE RESISTANT GLASS - Filmed Features

KERALITE® FILMED
Fire-Rated Safety Glass Ceramic

CLASSIFICATION

PRODUCT FEATURES

TECHNICAL SPECIFICATIONS

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AUTHORIZED DIMENSIONS

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<th>DOOR - TEMPERATURE RISE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AREA (Max.)</td>
<td>WIDTH (Max.)</td>
<td>HEIGHT (Max.)</td>
</tr>
<tr>
<td>20</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>45</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>60</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>90</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>180</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Rev. 11/16 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.

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 - Laminated Features

## KERALITE® LAMINATED
Fire-Rated Laminated Safety Glass Ceramic

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>PRODUCT FEATURES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Icon]</td>
<td>![Icon]</td>
</tr>
</tbody>
</table>

## TECHNICAL SPECIFICATIONS

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Rating</td>
<td>20-90, 180 Minute</td>
</tr>
<tr>
<td>US Testing</td>
<td>Listed and labeled with Underwriters Laboratories Inc. File #R145I5 Tested in accordance with UL 9, UL 108, UL 10C, NFPA 80, NFPA 252, NFPA 257</td>
</tr>
<tr>
<td>Canadian Testing</td>
<td>CAN/ULC-S106, S104</td>
</tr>
<tr>
<td>Nominal Thickness</td>
<td>5/16” (8 mm)</td>
</tr>
<tr>
<td>Thickness Tolerance</td>
<td>+1/64” to -1/64” (+0.4 mm to -0.4 mm)</td>
</tr>
<tr>
<td>U Value BTU/(hr<em>ft²</em>degF)</td>
<td>0.88</td>
</tr>
<tr>
<td>STC Rating</td>
<td>37</td>
</tr>
<tr>
<td>Weight (lbs/sq ft.)</td>
<td>4.1</td>
</tr>
<tr>
<td>Approx. Visible Light Transmission</td>
<td>82%</td>
</tr>
</tbody>
</table>

## AUTHORIZED DIMENSIONS

<table>
<thead>
<tr>
<th>RATING</th>
<th>WINDOW/TRANSOM/SIDELIGHT</th>
<th>DOOR - NON-TEMPERATURE RISE</th>
<th>DOOR - TEMPERATURE RISE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AREA (Max.)</td>
<td>WIDTH (Max.)</td>
<td>HEIGHT (Max.)</td>
</tr>
<tr>
<td>20</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>45</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>60</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
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<tr>
<td>90</td>
<td>4,500</td>
<td>95-3/8</td>
<td>95-3/8</td>
</tr>
<tr>
<td>180</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

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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 196"
- 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
## Windload Deflection Chart

### Pounds per Square Footage

<table>
<thead>
<tr>
<th>Glass Thk.</th>
<th>5 Lbs. per Sq. Ft. (aprox. 45 MPH)</th>
<th>10 Lbs. per Sq. Ft. (aprox. 63 MPH)</th>
<th>15 Lbs. per Sq. Ft. (aprox. 77 MPH)</th>
<th>20 Lbs. per Sq. Ft. (aprox. 88 MPH)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>0.12</td>
<td>0.05</td>
<td>0.026</td>
<td>0.25</td>
</tr>
<tr>
<td>65</td>
<td>0.17</td>
<td>0.07</td>
<td>0.035</td>
<td>0.35</td>
</tr>
<tr>
<td>70</td>
<td>0.24</td>
<td>0.10</td>
<td>0.051</td>
<td>0.47</td>
</tr>
<tr>
<td>75</td>
<td>0.31</td>
<td>0.13</td>
<td>0.066</td>
<td>0.62</td>
</tr>
<tr>
<td>80</td>
<td>0.40</td>
<td>0.17</td>
<td>0.087</td>
<td>0.80</td>
</tr>
<tr>
<td>85</td>
<td>0.51</td>
<td>0.21</td>
<td>0.11</td>
<td>1.02</td>
</tr>
<tr>
<td>90</td>
<td>0.65</td>
<td>0.28</td>
<td>0.14</td>
<td>1.29</td>
</tr>
<tr>
<td>95</td>
<td>0.80</td>
<td>0.34</td>
<td>0.17</td>
<td>1.59</td>
</tr>
<tr>
<td>100</td>
<td>0.97</td>
<td>0.41</td>
<td>0.21</td>
<td>1.95</td>
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<tr>
<td>105</td>
<td>1.19</td>
<td>0.50</td>
<td>0.26</td>
<td>2.37</td>
</tr>
<tr>
<td>110</td>
<td>1.43</td>
<td>0.59</td>
<td>0.30</td>
<td>2.86</td>
</tr>
<tr>
<td>115</td>
<td>1.71</td>
<td>0.72</td>
<td>0.36</td>
<td>3.42</td>
</tr>
<tr>
<td>120</td>
<td>2.02</td>
<td>0.85</td>
<td>0.44</td>
<td>4.05</td>
</tr>
<tr>
<td>125</td>
<td>2.79</td>
<td>1.18</td>
<td>0.60</td>
<td>5.58</td>
</tr>
<tr>
<td>130</td>
<td>3.75</td>
<td>1.58</td>
<td>0.80</td>
<td>7.50</td>
</tr>
<tr>
<td>140</td>
<td>4.94</td>
<td>2.08</td>
<td>1.06</td>
<td>9.88</td>
</tr>
</tbody>
</table>

### Windload Chart

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:

- 1/4" Glass = 2.57 + 2 = 1.29
- 1/2" Glass = 0.76 + 2 = 0.38

Where: Width = Between 1/2 Height to Equal to Height

#### Deflection =

Figure shown on chart X
(Ratio of width + Height)

Example Deflection
@ 15 LBS. Wind load:

- 1/4" Glass = 2.57 (90 + 120) = 1.93
- 1/2" Glass = 0.76 (90 + 120) = 0.57

Note: For use to determine approximate deflection for precise performance data please consult a structural engineer
## Maximum Tolerances Overall Bow & Warp

<table>
<thead>
<tr>
<th>Length of Edge</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>5/16&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot; - 7/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-20&quot;</td>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/64&quot;</td>
</tr>
<tr>
<td>&gt;20&quot; - 35&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>1/8&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>&gt;35&quot; - 47&quot;</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>5/32&quot;</td>
<td>1/8&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>&gt;47&quot; - 59&quot;</td>
<td>9/32&quot;</td>
<td>9/32&quot;</td>
<td>3/16&quot;</td>
<td>5/32&quot;</td>
<td>5/32&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>&gt;59&quot; - 71&quot;</td>
<td>11/32&quot;</td>
<td>11/32&quot;</td>
<td>9/32&quot;</td>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>5/32&quot;</td>
</tr>
<tr>
<td>&gt;71&quot; - 83&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>11/32&quot;</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>&gt;83&quot; - 94&quot;</td>
<td>9/16&quot;</td>
<td>9/16&quot;</td>
<td>1/2&quot;</td>
<td>5/16&quot;</td>
<td>9/32&quot;</td>
<td>3/16&quot;</td>
</tr>
<tr>
<td>&gt;94&quot; - 106&quot;</td>
<td>11/16&quot;</td>
<td>11/16&quot;</td>
<td>9/16&quot;</td>
<td>3/8&quot;</td>
<td>5/16&quot;</td>
<td>9/32&quot;</td>
</tr>
<tr>
<td>&gt;106&quot; - 118&quot;</td>
<td>3/4</td>
<td>3/4</td>
<td>11/16&quot;</td>
<td>17/32&quot;</td>
<td>1/2&quot;</td>
<td>3/8&quot;</td>
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<tr>
<td>&gt;118&quot; - 130&quot;</td>
<td>...</td>
<td>...</td>
<td>3/4&quot;</td>
<td>5/8&quot;</td>
<td>9/16&quot;</td>
<td>1/2&quot;</td>
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<tr>
<td>&gt;130&quot; - 146&quot;</td>
<td>...</td>
<td>...</td>
<td>7/8&quot;</td>
<td>11/16&quot;</td>
<td>11/16&quot;</td>
<td>9/16&quot;</td>
</tr>
<tr>
<td>&gt;146&quot; - 158&quot;</td>
<td>...</td>
<td>...</td>
<td>1</td>
<td>13/16&quot;</td>
<td>3/4&quot;</td>
<td>11/16&quot;</td>
</tr>
</tbody>
</table>

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**HEAVY TEMPERED GLASS - Hole Fabrication**

**Handrail System with Tempered Laminated SentryGlas®**

**Glass Wall System with 3/4 Clear Tempered Glass**

<table>
<thead>
<tr>
<th>Glass Thickness: (A)</th>
<th>Min. Hole Size (Diameter) (B)</th>
<th>Minimum Distance from Edge (C)</th>
<th>Minimum 45° Diagonal Distance to Corner (D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>3/16&quot;</td>
<td>7/8&quot;</td>
</tr>
<tr>
<td>3/16&quot;</td>
<td>3/16&quot;</td>
<td>5/16&quot;</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td>7/32&quot;</td>
<td>7/32&quot;</td>
<td>3/8&quot;</td>
<td>1 7/16&quot;</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>1 5/8&quot;</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>9/16&quot;</td>
<td>2 7/16&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
<td>3/4&quot;</td>
<td>3 1/4&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>3/4&quot;</td>
<td>1 1/2&quot;</td>
<td>4 7/8&quot;</td>
</tr>
</tbody>
</table>

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”
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.

<table>
<thead>
<tr>
<th>IG SIZE CHART</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS THICKNESS</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>1/8&quot; (DSB)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>3/16&quot;</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td></td>
</tr>
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<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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 and Shapes](image)

**100% Exterior Energy Transmission**

![Energy Transmission Graph](image)

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

![Window Illustrations](image)

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

![Aluminum Storefront with Insulating Low-E Glass Unit](image)
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
ENDLESS LAMINATED GLASS POSSIBILITIES

Sound Control
Laminated Glass

Decorative
Laminated Glass
A broad variety of options

Rainbow
Color Lami Glass

SentryGlas®

Bullet Resistant

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

<table>
<thead>
<tr>
<th>Edge Dimension</th>
<th>Laminate Make-up Two Glass Plies of in.</th>
<th>1/8 to 3/16&quot;</th>
<th>1/4&quot;</th>
<th>5/16&quot;</th>
<th>3/8&quot;</th>
<th>1/2 to 7/8&quot;</th>
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</thead>
<tbody>
<tr>
<td>0 - 18&quot;</td>
<td>1/8&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>18 - 36&quot;</td>
<td>3/16&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
<td>3/32&quot;</td>
<td>3/32&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>36 - 48&quot;</td>
<td>9/32&quot;</td>
<td>3/16&quot;</td>
<td>5/32&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
<td>1/16&quot;</td>
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<tr>
<td>48 - 60&quot;</td>
<td>3/8&quot;</td>
<td>9/32&quot;</td>
<td>7/32&quot;</td>
<td>3/16&quot;</td>
<td>1/8&quot;</td>
<td>3/32&quot;</td>
</tr>
<tr>
<td>60 - 72&quot;</td>
<td>1/2&quot;</td>
<td>3/8&quot;</td>
<td>9/32&quot;</td>
<td>1/4&quot;</td>
<td>3/16&quot;</td>
<td>1/16&quot;</td>
</tr>
<tr>
<td>72 - 84&quot;</td>
<td>5/8&quot;</td>
<td>1/2&quot;</td>
<td>11/32&quot;</td>
<td>5/16&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>84 - 96&quot;</td>
<td>3/4&quot;</td>
<td>5/8&quot;</td>
<td>7/16&quot;</td>
<td>3/8&quot;</td>
<td>9/32&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>96 - 108&quot;</td>
<td>7/8&quot;</td>
<td>34&quot;</td>
<td>9/16&quot;</td>
<td>1/2&quot;</td>
<td>38&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>108 - 120&quot;</td>
<td>1&quot;</td>
<td>7/8&quot;</td>
<td>1 1/16&quot;</td>
<td>58&quot;</td>
<td>1/2&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>120 - 132&quot;</td>
<td>...</td>
<td>1&quot;</td>
<td>1 3/16&quot;</td>
<td>34&quot;</td>
<td>58&quot;</td>
<td>1/2&quot;</td>
</tr>
<tr>
<td>132 - 144&quot;</td>
<td>...</td>
<td>1 1/8&quot;</td>
<td>1 5/16&quot;</td>
<td>7/8&quot;</td>
<td>34&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>144 - 156&quot;</td>
<td>...</td>
<td>1 1/4&quot;</td>
<td>1 1/16&quot;</td>
<td>1&quot;</td>
<td>7/8&quot;</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

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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.
251 Storefront Series with Super Neutral SN 68HT Sound Control Laminated Glass
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
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.
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 SentryGlas® interlayer.

Sample shown with White SentryGlas®

All Glass Entrance Doors with Laminated SentryGlas® and Panic Device

Structural Safety Laminated SentryGlas® with Custom Fitting
LAMINATED GLASS

SentryGlas®

Max Aluminum Slider with SentryGlas® Hurricane Resistant Laminated Glass

Accordion Bifold Aluminum Slider with Hurricane Resistant Laminated Glass

PRL GLASS SYSTEMS
(800) 433-7044
www.prilglass.com

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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.

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

Medium Style Full Frame Doors with Bullet Resistant Glass

Level 3 Bullet Resistance Glass

Full Frame Entrance Doors with Bullet Resistant Glass

PRL Glass Systems
(800) 433-7844
www.prlglass.com
LAMINATED GLASS

Stainless Steel Full Frame Doors with Bullet Resistant Glass

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

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com

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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

PRL Glass Systems

(800) 433-7044

www.prlglass.com
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.

- High Ballistic Resistance without excessive Weight or Thickness
- Thinner Make-Up Fit Security Doors Glazing Pocket

Bullet Resistant up to Level 3

Falls out in one piece when broken

Standard levels of safety with small particles from broken tempered glass

- Improved Safety when broken

Tempered/PVB Laminated Glass

Safetyglass® Tempered laminated glass remains standing when broken

- Tolerates high stress loads (bolted & frameless)
- Reduces deflection & withstands greater wind forces

Tempered/SentryGlas®

- Hurricane resistant
- Higher performing structural interlayer

Missile Impact

(800) 433-7044
www.prlglass.com
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.*
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
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
Low Iron Mirror
Gray Mirror
Bronze Mirror

Clear Mirror with Light Fixture Cut Outs

Features:
- Brighter
- Excellent clarity

Unlimited Applications:
- Gym
- Beauty Salon
- Designer Couture
- Hospitality
- Event Halls
- Boutiques
- Spas

Custom Clear Mirror with Custom Stand-off Mount

PRL GLASS SYSTEMS

(800) 433-7044
www.prlglass.com
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
MIRRORS - Applications

Custom Fabricated Mirrors with Etching for Back Lighting

Custom Clear Mirror Configurations

Mirror with a Center Circular Cut Out

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com
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, table tops, 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

Glass Partition with Custom Sandblast Design

Entrance System Ornamental Design

Shower Unit with Glue Chip Border

Clear Glass with Custom Sandblast

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com
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.
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

PRL Glass Systems
(800) 433-7044
www.prilglass.com
Three Dimensional Sculptured Sandblast Mythical Art Design

3 Glass Pieces Custom Installed with Color Lights for Special Effects

Custom Cut Glass Before Installation
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
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:**

**TEXTURE:**
Tabletop
w/ Chipped Polished
Edge and sandblast
custom borders

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 pgl glass for details.
TABLETOPS - Glass Fabrication

CUSTOM DESIGN

- CORNERS
- BORDERS
- PATTERN
- CRACKED

*specifications required

Tabletop with Custom Sandblast Design

COLORS:

- CLEAR
- STARPHIRE
- BRONZE
- GRAY

Tabletop in Bronze Color Glass
GLASS SPECIALTIES
Custom Work with Maximum Craftsmanship Creating Elegance & Style

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

www.prlglass.com
GLASS SPECIALTIES - Commercial Applications

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 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.

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
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!
<table>
<thead>
<tr>
<th>Euro Fittings</th>
<th>Sidelites Header</th>
<th>Dryset Door Rails</th>
</tr>
</thead>
<tbody>
<tr>
<td>PL-450/440/414</td>
<td>PL-400SH 1 3/4&quot; H x 4&quot; W</td>
<td>PL-1000DS 2 1/16&quot; W x 10 1/8&quot; H</td>
</tr>
<tr>
<td>PL-19102 Lock Patch Fitting 3 1/8&quot; H / 6 3/4&quot; W</td>
<td>PL-450SH 1 3/4&quot; H x 4 1/2&quot; W</td>
<td>PL-600DS 2 1/16&quot; W x 6&quot; H</td>
</tr>
<tr>
<td>PL-16500 Lock Patch Fitting 2&quot; H / 6 1/2&quot; W</td>
<td>PL-250SH 2&quot; H x 4 1/2&quot; W</td>
<td>PL-350DS 2 1/16&quot; W x 4 1/4&quot; H</td>
</tr>
<tr>
<td>PL-16300 Lock Patch Fitting 4 1/4&quot; H / 3&quot; W</td>
<td>PL-175SH 1 3/4&quot; H x 1 3/4&quot; W</td>
<td>PL-150DS 2 1/16&quot; W x 4 1/4&quot; H</td>
</tr>
</tbody>
</table>
### ALL GLASS ENTRANCE DOOR SYSTEMS - Door Hardware

<table>
<thead>
<tr>
<th>PULLS</th>
<th>LADDER PULLS</th>
<th>CUSTOM PULLS</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="PL-3" /> 10&quot;/12&quot;/18&quot; CC</td>
<td><img src="image2" alt="PL-LADDER" /> 12&quot;/24&quot;, 24&quot;/36&quot;/36&quot;/48&quot;, 60&quot;/72&quot;, 72&quot;/84&quot; CC/OAL</td>
<td><img src="image3" alt="PL-RND" /> 8&quot; DIA.</td>
</tr>
<tr>
<td><img src="image4" alt="PL-3 Offset" /> 10&quot;/12&quot;/18&quot; CC</td>
<td></td>
<td><img src="image5" alt="PL-RCT" /> 10&quot;/12&quot; CC</td>
</tr>
<tr>
<td><img src="image6" alt="PL-5" /> 12&quot; CC</td>
<td></td>
<td><img src="image7" alt="PL-VRT" /> 10&quot;/24&quot; CC</td>
</tr>
<tr>
<td><img src="image8" alt="PL-8" /> 10&quot;/28&quot; CC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PL-LPSQ</strong> 24&quot;, 36&quot;, 48&quot;, 60&quot;, 72&quot;, 84&quot; STD OAL</td>
<td><strong>PL-SFU</strong> 44&quot;/48&quot; - 68&quot;/72&quot;</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>OVERHEAD CLOSER</th>
<th>ELECTRIC &amp; MAGNETIC STRIKE</th>
<th>PIVOTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>OHCADJ</td>
<td>FA3101</td>
<td>PL101170</td>
</tr>
<tr>
<td>Adjustable Overhead Closer</td>
<td>310-1 Electric strike/single</td>
<td>Surface Mount Top Pivot</td>
</tr>
<tr>
<td>90/105 Degrees HO/NHO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RTS88</td>
<td>FA3101D</td>
<td>Offset Top Pivot</td>
</tr>
<tr>
<td>RTS 88 Body only</td>
<td></td>
<td>1 1/2&quot;, 3/4&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PL11500</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Surface Mount Bottom Pivot</td>
</tr>
<tr>
<td></td>
<td>GF3000</td>
<td>WB8062</td>
</tr>
<tr>
<td></td>
<td>Locknetic GF3000 magnetic lock</td>
<td>Walking Beam Top Pivot</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>M-10 Intermediate Pivot</td>
</tr>
<tr>
<td></td>
<td>FS23M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SDC Electric deadbolt lock</td>
<td></td>
</tr>
</tbody>
</table>

**PR Glass Systems**

(800) 433-7044

www.prglass.com

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## ALL GLASS ENTRANCE DOOR SYSTEMS

### Door Hardware

<table>
<thead>
<tr>
<th>Door Header</th>
<th>Floating Headers</th>
<th>U-Channel (Top &amp; Bottom)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PL400DH</strong></td>
<td><strong>36FH</strong></td>
<td><strong>UCAN0</strong></td>
</tr>
<tr>
<td>1 3/4&quot; X 4&quot; Door header</td>
<td>36&quot; Floating header</td>
<td>Aluminum U-channel 1 x 1, 1 x 1 1/2, 1 1/4 x 1, 1 1/4 x 1 3/4,</td>
</tr>
<tr>
<td><strong>PL450DH</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 3/4&quot; X 4-1/2&quot; Door header</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>PL260DH</strong></td>
<td><strong>72FH</strong></td>
<td></td>
</tr>
<tr>
<td>2&quot; X 4-1/2&quot; Door header</td>
<td>72&quot; Floating header</td>
<td></td>
</tr>
<tr>
<td><strong>2X6HDR</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2&quot; X 6&quot; Door header</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

### Thresholds

| **TH400** | **TH037** |
| 1/2" X 4" Threshold | 1/2" X 7" Threshold |

### Pinning Channel

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

---

**PRL Glass Systems**

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---

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**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

---

**Office Door with Closer/Patch and Top Patch**

---

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

**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”
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°.
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
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!__

  **PL101- TUBULAR "MITERED"**

  **PL100- TRADITIONAL "RADIUSED"**

  **PL102- SQUARED "MITERED"**

__BIGGER__

__STRONGER than ever.__

CUSTOM Oversize Width/Height Panic Device

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

(800) 433-7044  www.priglass.com
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 - 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

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com
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
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
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 $\frac{1}{4}$" 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

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:
- 1 7/8" x 1"
- 5 5/8"

Medium Stile:
- 1 7/8" x 1"
- 4 1/8"

Narrow Stile:
- 1 7/8" x 1"
- 3"
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.

Medium Stile Door with PL-100 Panic Device

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

PRL Glass Systems
(800) 433-7044
www.prlglass.com
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

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Available Finishes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WS-450</td>
<td>9/16&quot;</td>
<td>Polished Brass, Polished Stainless Steel, Clear Anodized, US10B Oil Rubbed, Satin Brass, Brushed Stainless Steel, Bronze Anodized, Custom Painted Colors Available **</td>
</tr>
<tr>
<td>WS-475</td>
<td>9/16&quot;</td>
<td>Polished Brass, Polished Stainless Steel, Clear Anodized, US10B Oil Rubbed, Satin Brass, Brushed Stainless Steel, Bronze Anodized, Custom Painted Colors Available **</td>
</tr>
</tbody>
</table>

*Clear Anodized subtract 1/8" of the overall width*
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
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.

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

PRL Glass Systems
(800) 433-7044
www.prlglass.com
<table>
<thead>
<tr>
<th>MECHANICAL LOCKS</th>
<th>LEVER</th>
<th>ELECTRIC STRIKES</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCHAL</td>
<td>AR4560</td>
<td>AR7100 7100 AR electric strike</td>
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<tr>
<td>Al series latch lock</td>
<td>4560 AR series deadlatch</td>
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<tr>
<td>SCHND</td>
<td>AR4568</td>
<td>AR7400 7400 AR electric strike</td>
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<td>ND series latch lock</td>
<td>4568 AR series deadlatch</td>
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<td>SCHL9000</td>
<td>AR4569</td>
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<td>L series latch lock</td>
<td>4569 AR series deadlatch</td>
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**PANICS**

<table>
<thead>
<tr>
<th>AR8600 8600 AR Series Exit Device</th>
<th>VDP9899 98/99 VD Series Exit Device</th>
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<tbody>
<tr>
<td>AR8800 8800 AR Series Exit Device</td>
<td>VDP3335 33/35 VD Series Exit Device</td>
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</tbody>
</table>
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.

Configurations:
• 2L
• 4L
• 3L3R
• 1L2R
• 2L2R
• 8R
• 3L1R
• 4L1R
• Custom

Note: 8 Panels maximum per side
ALUMINUM BI-FOLD - Features

- 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.
ALUMINUM BI-FOLD - Options

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

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

PRL Glass Systems

(800) 433-7044
www.prlglass.com

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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.

MAXimum

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

In-line Top Hung Max Slider with Slender Guides

PRL Glass Systems

(800) 438-7044

www.prlglass.com
ALUMINUM SLIDER - Top Hung & Bottom Roller Systems

**Max'**

- Top Hung Roller
  (*150 lbs capacity EA*)

**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

**Top Hung 90 Degrees Max Aluminum Slider with Slender Guides**

**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**

**Full Track**

**3” Heavy Duty Grade Stainless Steel Bottom Rollers**

**Bottom Rollers Max Aluminum Slider with 16 Units**

PRL Glass Systems

(800) 433-7044
www.prilglass.com
**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**

PRL GLASS SYSTEMS

(800) 433-7044

www.prlglass.com
ALUMINUM SLIDER- Pulls & Oversize Configurations

**PULLS:**
- Deep Finger / Cancun (DFP/CN)
- 4900 AR Series (AR4190)
- Lever ADA (LV)
- Standard Flush Lockset (SFL)
- Magnetic ADA (MAG)

**OVERSIZE CONFIGURATIONS:**
- Height up to 132”
- Widths up to 72”

*Consult PRL for details*
ALUMINUM SLIDER - Applications

In-Line Top Hung Max Aluminum Slide with Slender Guides

Biparting Max Slider with Reflective Glass
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 movable 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, optional horizontal 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.
ALUMI SLIDER - Top Hung & Bottom Roller Systems

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:

In-line Top Hung Alumi Slider with Sandblast Glass

Track View:

Vertical View:
RUBY ALL GLASS SLIDER
Contemporary and Elegant Interior Top Hung Stainless Steel Sliding System

Glass Mount Ruby Slider System with Short Ladder Pull

(800) 433-7044
www.prilglass.com
**Wall Offset Surface Mount**

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

**Dual Function Wall Mount Residential Ruby Slider**

**Glass Mount**

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

**Office Glass Mount Ruby Slider with Custom Sandblast**
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

(800) 433-7044
www.prlglass.com
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 View.
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

PRL GLASS SYSTEMS
(800) 433-7044
www.priglass.com
Bottom Rollers System

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

- Top sliding track (2 3/8" W x 1 1/2" H)
- Single Panel/ Multiple Panels
- Top / Bottom Rail
- Bottom straddle
  - SQ bolt lock
- Tandem SS roller
- Bottom Sliding Track System (2/ 3/8" W x 3/8" H)
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.

Neo-Angle Shower Unit with Bow Knob

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

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 (6")

PL-8SD618 - Standard Combo (6’/18” or 6’/24”)
PL-18SSTBBN - Single Towel Bar (18” or 24”)
PL-LADDER - Ladder

PRL Glass Systems
(800) 433-7044
www.prlglass.com
SHOWER DOORS - Hinges & Clamps

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-ABC3TC Bottom Pivot
- PL-ABC3GTH Pivot Hinge w/Header Adaptor*
  *Header available 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

90 Degree Unit with Header and Top/Bottom Pivot
## SHOWER DOORS - Hinges & Clamps

<table>
<thead>
<tr>
<th>Contoured</th>
<th>Hinges</th>
<th>Clamps</th>
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<td>Movable WM</td>
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<td>Movable WM</td>
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<td>PL-TS180CH</td>
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<td>Offset BPWM</td>
<td></td>
</tr>
<tr>
<td>PL-TS188CH</td>
<td>180° GG</td>
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<tr>
<td>PL-TS188CH</td>
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<td>PL-90SOCH</td>
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<tr>
<td>PL-TB045CH</td>
<td>135° GG</td>
<td>90° Over Glass</td>
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<tr>
<td>PL-TB074BN</td>
<td>Short BPWM</td>
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</tr>
<tr>
<td>PL-TB180CH</td>
<td>180° GG</td>
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</tr>
<tr>
<td>PL-90SOCH</td>
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</tr>
<tr>
<td>PL-135SOCH</td>
<td>135° Over Glass</td>
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### Sleeve Over

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<td>PL-TBC180CH</td>
<td>Movable Tram.</td>
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<td>PL-TBC180CH</td>
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<td>135° Fixed GG</td>
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<tr>
<td>PL-TBCCH</td>
<td>Fixed WM</td>
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</tbody>
</table>

*In-Line Unit with Beverly Series 180° Hinge and Clamps*
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

PRL Glass Systems

(800) 433-7044

www.prlglass.com

137
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

PRL GLASS SYSTEMS
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www.prlglass.com

138
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

ROUND SLIDING TRACK

Tiffany Shower Slider in Oil Bronze Finish

Ruby Shower Slider with Starphire Glass
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

PRL GLASS SYSTEMS
(800) 433-7044
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141
GUARDRAIL/HANDRAIL SYSTEMS - Top Caps

**BRAKEFORMED ROUND**
- 3” Diameter
- 2” Diameter
- 1 1/2” Diameter

**SQUARE**
- Rectangular 2” x 2 1/2” or 2” x 3”
- Square 2” x 2” or 3” x 3”

**EXTRUDED ALUMINUM**
- 2” Diameter

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

**Naval Brass**
- Polished & Satin

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

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

Handrail/Guardrail Glass System with Square Top Cap
HANDRAIL/GUARDRAIL SYSTEMS- Rapid Dryset 4” & Mini Mighty 2 3/4”

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)
- 3” Sectional Pressure Plate for Dry-Set only
  - Standard Base comes w/ Mill Finish Covers

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

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com

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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

PRL GLASS SYSTEMS

(800) 433-7044
www.prlglass.com
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
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.

Specialty hardware available!

- Latch Lock/Lever Handles
- Electric/Mechanical Access Devices

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

PRL Glass Systems

(800) 433-7044
www.prlglass.com
STORFRONT SERIES
Complete Glass and Metal Systems Ready to Install

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

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<th>Storefront Series</th>
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<td>1/4&quot; Offset Glazed</td>
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<td>1&quot; Center Glazed</td>
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<td>2&quot; x 4 1/2&quot;</td>
<td>1&quot; Offset Glazed</td>
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<td>1/4&quot; Center Glazed</td>
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Custom Storefront Doors with Custom Pulls

250 Series Entrance System with Full Height Ladder Pulls

PRL GLASS SYSTEMS
(800) 433-7044
www.prlglass.com
150
STOREFRONT ALUMINUM SYSTEMS - Offset Glazed Series

**201 SERIES**
2" x 4 1/2"
1/4" Offset Glazed

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<tr>
<th>HEAD NAME</th>
<th>HEAD ASSEMBLY</th>
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**251 SERIES**
2" x 4 1/2"
1" Offset Glazed

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**401 SERIES**
1 3/4" x 4"
1/4" Offset Glazed

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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.
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.
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
ALUMINUM CURTAINWALL - Features

Curtainwall with Tinted & Spandrel Glass

PLCW-600 Series with IG Units

HEAD

HORIZONTAL

SILL

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

Curtainwall System with Reflective Glass

*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!

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