MALLARDS - Greenheads and Suzies (mallard males & females) are dabbling ducks most prevalent in the Arkansas timber. Mr. Smith’s favorite ducks are easily distinguishable with their coloring and “quacks”. The Peabody Hotel in Memphis features the mallard as a popular hotel attraction, trotting them out of and into a waiting elevator two times a day.
## Glass Product Index

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<thead>
<tr>
<th>Model</th>
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<tbody>
<tr>
<td>GT-16</td>
<td>1/16&quot; Thick Butyl Rubber</td>
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<tr>
<td>GT-116</td>
<td>1/16&quot; Thick Closed Cell PVC Foam</td>
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<td>GT-118</td>
<td>1/8&quot; Thick Closed Cell PVC Foam</td>
<td>GL10</td>
</tr>
<tr>
<td>GT-132</td>
<td>1/32&quot; Thick Closed Cell PVC Foam</td>
<td>GL10</td>
</tr>
<tr>
<td>GT-9800</td>
<td>1/16&quot; Thick Intumescent</td>
<td>GL10</td>
</tr>
</tbody>
</table>
SuperLite™ I-W

Fire Protective Safety Wired Glass

- 5/16" (8mm) thick
- Fits standard L-FRA100 and L-GLF100 Lite kits
- 3/4" X 3/4" Diamond pattern electrically welded steel wire mesh
- Heavy duty 7 mil durable safety film applied
- Maintains integrity when fractured or subjected to a hose stream
- Etched with UL classification on each piece
- Manufactured in USA
- 10 year Manufacturer Warranty
- Weight: 3 lbs./sq. ft.
- STC 28 rating

Fire-rating information:
- Certified by UL to ANSI/UL 9, ANSI/UL10B, ANSI/UL10C,
  CAN/ULC-S104, ULC CAN4-S106 with closed cell PVC
  foam glazing tape like NGP GT-116, GT-118, or GT132

<table>
<thead>
<tr>
<th>Rating</th>
<th>Application</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20, 45 Minute</td>
<td>Wood doors*</td>
<td>1,296</td>
<td>54&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>20 Minute</td>
<td>Hollow metal doors*</td>
<td>3,289</td>
<td>35-3/4&quot;</td>
<td>92&quot;</td>
</tr>
<tr>
<td>45 Minute</td>
<td>Hollow metal doors*</td>
<td>2,856</td>
<td>34&quot;</td>
<td>84&quot;</td>
</tr>
<tr>
<td>45 Minute</td>
<td>Side-lites,</td>
<td>4,608</td>
<td>100&quot;</td>
<td>100&quot;</td>
</tr>
<tr>
<td></td>
<td>Borrowed lites</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45 Minute</td>
<td>Transom lites</td>
<td>3,456</td>
<td>96&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>60 Minute</td>
<td>Wood doors*</td>
<td>960</td>
<td>12&quot;</td>
<td>80&quot;</td>
</tr>
<tr>
<td>90 Minute</td>
<td>Hollow metal doors*</td>
<td>552</td>
<td>12&quot;</td>
<td>46&quot;</td>
</tr>
<tr>
<td>90 Minute</td>
<td>Wood doors*</td>
<td>100</td>
<td>10&quot;</td>
<td>33&quot;</td>
</tr>
</tbody>
</table>

*with fire-rated glass Lite kit

Impact Safety Rating Information:

Meets ANSI Z97.1, Class A

Meets CPSC 16CFR 1201 (Category I and II)

Complies with IBC requirements for use in doors, side-lites, transom lites and borrowed lites.
Pyran® Platinum F
Fire-Protective Safety Glass Ceramic

- 3/16" (5mm) thick glass ceramic
- Heavy duty 7 mil durable safety film
- Neutral coloration - clear and wireless
- Advanced manufacturing process eliminates the need for surface polishing
- Etched with UL classification on each piece
- 10 year Manufacturer Warranty
- Weight: 2.5 lbs./sq. ft.
- STC 31 rating

Fire-rating information:
- Certified by UL to ANSI/UL9, ANSI/UL10B, ANSI/UL10C, CAN/ULC-S104, ULC CAN4-S106 with closed cell PVC foam glazing tape like NGP GT-116, GT-118, or GT132
- IBC applicable edition may limit maximum size allowable

<table>
<thead>
<tr>
<th>Rating</th>
<th>Application</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20, 45, 60, 90 Minute</td>
<td>Doors* (non-temp rise)</td>
<td>2,736</td>
<td>36&quot;</td>
<td>76&quot;</td>
</tr>
<tr>
<td>20, 45, 60, 90 Minute</td>
<td>Side-lites, Borrowed lites, Transom lites</td>
<td>3,422</td>
<td>76&quot;</td>
<td>76&quot;</td>
</tr>
<tr>
<td>180 Minutes</td>
<td>Doors* including temp-rise</td>
<td>100</td>
<td>12&quot;</td>
<td>33&quot;</td>
</tr>
</tbody>
</table>

*with fire-rated glass Lite kit

Impact Safety Rating Information:

Meets ANSI Z97.1, Class A

Meets CPSC 16CFR 1201 (Category I and II)

Complies with IBC requirements for use in doors, side-lites, transom lites and borrowed lites.
**Pyran® Platinum L**

Fire Protective Safety Glass Ceramic

- 3/8” (9mm) thick laminated glass ceramic
- Neutral coloration - clear and wireless
- Advanced manufacturing process eliminates the need for surface polishing
- Etched with UL classification on each piece
- 5 year Manufacturer Warranty
- Weight: 4 lbs./sq. ft.
- STC 36 rating

**Fire-rating information:**
- Certified by UL to ANSI/UL9, ANSI/UL10B, ANSI/UL10C, CAN/ULC-S104, ULC CAN4-S106 with closed cell PVC foam glazing tape like NGP GT-116, GT-118, or GT132

<table>
<thead>
<tr>
<th>Rating</th>
<th>Application</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20, 45, 60, 90 Minute Doors* (non-temp rise)</td>
<td>2,736</td>
<td>36&quot;</td>
<td>75&quot;</td>
<td></td>
</tr>
<tr>
<td>20, 45, 60, 90 Minute Side-lites, Borrowed lites, Transom lites</td>
<td>3,143</td>
<td>75&quot;</td>
<td>75&quot;</td>
<td></td>
</tr>
<tr>
<td>180 Minutes</td>
<td>Doors* including temp rise</td>
<td>100</td>
<td>12&quot;</td>
<td>33&quot;</td>
</tr>
</tbody>
</table>

* with fire-rated glass Lite kit

**Impact Safety Rating Information:**

Meets ANSI Z97.1, Class A

Meets CPSC 16CFR 1201 (Category I and II)

Complies with IBC requirements for use in doors, side-lites, transom lites and borrowed lites.
SuperLite™ I-20

20 Minute Fire Protective Glass

- 1/4" thick tempered fire-rated glass
- Superior optical clarity – clear and wireless
- Available with optional Starphire® Ultra-Clear glass by PPG
- Economical fire and safety rated glass
- Etched with UL classification on each piece
- Manufactured in USA
- Lifetime Manufacturer Warranty
- Weight: 3 lbs./sq. ft.
- STC 28 rating

Fire-Rating Information:
- Certified by UL to ANSI/UL9, ANSI/UL10B, ANSI/UL10C,
  with closed cell PVC foam glazing tape like NGP GT-116, GT-118, or GT132

<table>
<thead>
<tr>
<th>Rating</th>
<th>Application</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Minute No hose stream</td>
<td>Hollow metal doors*</td>
<td>2,678</td>
<td>109&quot;</td>
<td>109&quot;</td>
</tr>
<tr>
<td>20 Minute No hose stream</td>
<td>Wood doors*</td>
<td>2,719</td>
<td>77-1/8&quot;</td>
<td>77-1/8&quot;</td>
</tr>
<tr>
<td>20 Minute No hose stream</td>
<td>Sidelights in Hollow Metal door frames</td>
<td>3,965</td>
<td>109&quot;</td>
<td>109&quot;</td>
</tr>
<tr>
<td>20 Minute No hose stream</td>
<td>Hollow Metal Borrowed Lites and Transoms</td>
<td>2,800</td>
<td>71-1/4&quot;</td>
<td>71-1/4&quot;</td>
</tr>
</tbody>
</table>

*with fire-rated glass Lite kit

- IBC applicable edition may limit maximum size allowable

Impact Safety Rating Information:

Meets ANSI Z97.1, Class A

Meets CPSC 16CFR 1201 (Category I and II)

Complies with IBC requirements for use in doors

- This glass is cut to size then heat treated (tempered) to achieve its safety rating properties
- Orders for this product are non-changeable and non-cancellable
SuperLite™ X-90

90 Minute Fire Protective Glass

• 3/4” thick fire protective, safety rated glass
• Superior optical clarity – clear and wireless
• Economical fire and safety rated glass
• Etched with Intertek/Warnock-Hersey listing on each piece
• Manufactured in USA
• Lifetime Manufacturer Warranty
• Weight: 9 lbs./sq. ft.
• STC 38 rating

SIZES AVAILABLE

<table>
<thead>
<tr>
<th>ORDER</th>
<th>FITS LITE KIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>11” x 11”</td>
<td>L-FRA100-SP</td>
</tr>
<tr>
<td>4” x 34”</td>
<td>L-FRA100-SP</td>
</tr>
<tr>
<td>5” x 26”</td>
<td>L-FRA100-SP</td>
</tr>
<tr>
<td>6” x 21”</td>
<td>L-FRA100-SP</td>
</tr>
</tbody>
</table>

Fire-Rating Information:
• ANSI/UL10B, ANSI/UL10C, CAN/ULC-S104 with closed cell PVC foam glazing tape like NGP GT-116, GT-118, or GT132

<table>
<thead>
<tr>
<th>Rating</th>
<th>Application</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 Minute</td>
<td>Doors* including temp rise doors</td>
<td>100</td>
<td>10”</td>
<td>33”</td>
</tr>
</tbody>
</table>

*with fire-rated glass Lite kit

• Impact Safety Rating Information:

Meets ANSI Z97.1, Class B

Meets CPSC 16CFR 1201 (Category I & II)

Complies with IBC requirements for use in doors

• Orders for this product are non-changeable and non-cancellable
Fire Protective Wired Glass

- 1/4" (7mm) Thick
- 3/4" X 3/4" Diamond pattern electrically welded steel wire mesh
- Clear glass - ground and polished both sides
- Maintains integrity when fractured or subjected to a hose stream
- Etched with UL classification on each piece
- Weight: 3 lbs./sq. ft.
- STC 28 rating

Fire-rating information: Certified by UL to

- ANSI/UL10C: 20 min. with closed cell PVC foam glazing tape like NGP GT-116, GT-118, or GT132
- 45, 60 & 90 min. with NGP GT-9800 intumescent glazing tape
- ANSI/UL10B with Butyl glazing tape like NGP GT-16
- ANSI/UL9 with closed cell PVC glazing tape like NGP GT-116, GT-118, GT-132

<table>
<thead>
<tr>
<th>Rating</th>
<th>Max. Visible Glass Area (Sq. Inches)</th>
<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>20, 45 Minute*</td>
<td>1,296</td>
<td>54&quot;</td>
<td>54&quot;</td>
</tr>
<tr>
<td>60, 90 Minute*</td>
<td>100</td>
<td>10&quot;</td>
<td>33&quot;</td>
</tr>
</tbody>
</table>

*with NGP fire-rated glass Lite Kit

Impact Safety Rating Information:

Meets ANSI Z97.1 Class C

Does NOT comply with IBC 2006 or newer requirements for use in doors or sidelights. Allowed only in non-hazardous locations defined in IBC
SuperLite™ II-XL

Fire Resistive Glass

• Fire resistive with intumescent interlayer
• Full radiant heat protection, maintains 250°F temperature rise rating
• Tint free and optically clear
• Available with optional Starphire® Ultra-Clear glass by PPG
• Etched with fire-rating on each piece
• Manufactured in USA
• 5 year Manufacturer Warranty
• Standard profiles:
  45 minute, 3/4" thick, 8 lbs./sq.ft., STC 40 rating
  60 minute, 1-1/8" thick, 9 lbs./sq.ft., STC 42 rating
  90 minute, 1-1/2" thick, 12 lbs/sq. ft., STC 44 rating

Fire-Rating Information: Certified by UL to

• ANSI/UL9, ANSI/UL10B, ANSI/UL10C,
  CAN/ULC-S104, ULC CAN4-S106 with closed cell PVC
  foam glazing tape like NGP GT-116, GT-118, or GT132

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<th>Max. Width Visible Glass</th>
<th>Max. Height Visible Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>45 Minute</td>
<td>Doors*, Temp rise doors, Sidelites, Borrowed lites, Transom lites</td>
<td>4,952</td>
<td>124&quot;</td>
<td>124&quot;</td>
</tr>
<tr>
<td>60 Minute</td>
<td>Doors*, Temp rise doors, Sidelites, Borrowed lites, Transom lites</td>
<td>4,952</td>
<td>124&quot;</td>
<td>124&quot;</td>
</tr>
<tr>
<td>90 Minute</td>
<td>Doors*, Temp rise doors, *with fire-rated glass Lite kit</td>
<td>4,990</td>
<td>126&quot;</td>
<td>126&quot;</td>
</tr>
</tbody>
</table>

Impact Safety Rating Information:
Meets ANSI Z97.1, Class A

Meets CPSC 16CFR 1201 (Category I and II)

Complies with IBC requirements for use in doors

• Orders for this product are non-changeable and non-cancellable
**Tempered Glass**

- 1/4” thick clear heat treated glass
- Approximately 4 times stronger than annealed (ordinary) glass
- Breaks into small harmless fragments
- Can NOT be cut after manufacturing
- 11” minimum height
- Manufactured in USA
- NOT fire-rated
- STC 31 rating

**Insulated Tempered Glass**

- 1” thick - consists of two pieces of 1/4” thick clear tempered glass with 1/2” air space between and butyl seal
- Increased energy efficiency
- Approximately 4 times stronger than annealed (ordinary) glass
- Breaks into small harmless fragments
- Can NOT be cut after manufacturing
- Manufactured in USA
- 5 year manufacturer Warranty
- NOT fire-rated
- STC 35 rating
Laminated Glass

• 1/4" thick laminated architectural glass
• Comprised of two plies of glass and a .030” PVB interlayer
• Manufactured in USA
• NON-Fire-Rated
• STC 35 rating

Polycarbonate High Impact

• Burglary-resisting material. Meets UL Standard 972
• Available in 1/4", 1/2" thicknesses (specify on order)
• Colorless transparent sheet
• Virtually unbreakable - 300 times stronger than ordinary glass
• Unlikely to shatter or chip when bombarded with thrown rocks, bricks or bottles.
• UV stabilized to resist solar exposure
• Manufactured in USA
• 5 year Manufacturer Warranty
• NOT fire-rated
• Acoustical ratings: 1/4" = STC 29  
  1/2" = STC 34
Glazing Tape

Closed Cell PVC Foam

GT-116  3/8" wide x 1/16" thick - 200' rolls
GT-118  3/8" wide x 1/8" thick - 100' rolls
GT-132  3/8" wide x 1/32" thick - 200' rolls

• Closed cell PVC Foam glazing tape with adhesive both sides.
• Color is black
• For use in lite kits on UL10C positive pressure fire-rated wood or steel doors rated up to:
  20 minutes with Superlite I-20 or Fire Protective Wired glass
  90 minutes with SuperLite™I-W or SuperLite X-90 and SuperLite II-XL
  180 minutes with Pyran® Platinum F or Pyran® Platinum L

Intumescent

GT-9800  1/2" wide x 1/16" thick - 150' rolls

• Intumescent glazing tape with adhesive one side
• Color is black
• For use in lite kits on UL10C positive pressure fire-rated wood or steel doors using 1/4" Fire-protective Wired glass, up to 90 minutes

Butyl Rubber

GT-16  3/8" wide x 1/16" thick - 50' rolls

• Butyl rubber glazing tape with adhesive both sides
• Color is black
• For use in lite kits on UL10B fire-rated wood or steel doors, using 1/4" Fire-protective Wired glass, up to 90 minutes