



Fire Rated Glazing and Framing Solutions |



# SuperLite® Fire Rated Glass

Fire Resistive Glazing	Features	Applications
<b>SuperLite® II<sup>XL</sup> 45</b> Fire Resistive Tempered Glazing	45 minute, CPSC Cat. II, ASTM E119 tested, clear transparent glazing that blocks radiant heat transfer. Can be customized to include energy performance, noise abatement benefits, bullet resistance, hurricane resistance, and unlimited decorative options.	Fire protective doors, sidelites, openings and transoms.   <b>STARPHIRE</b> <small>ULTRA-CLEAR® GLASS</small> Now available with Starphire® Ultra Clear Glass by PPG.
<b>SuperLite® II<sup>XLM</sup> 45</b> Fire Resistive Multilaminate Glazing	45 minute, CPSC Cat. II, ASTM E119 tested, clear fire resistive multilaminate glazing that blocks radiant heat transfer. Can be customized to include energy performance, security and unlimited decorative and custom glass options.	Fire protective doors, sidelites, openings and transoms.
<b>SuperLite® II<sup>XL</sup> 60-120</b> Fire Resistive Tempered Glazing	60-120 minute, CPSC Cat. II, ASTM E119 tested, clear transparent glazing that blocks radiant heat transfer. Can be customized to include energy performance, noise abatement benefits, bullet resistance, hurricane resistance, and unlimited decorative options.	Fire resistive doors and wall assemblies.   <b>STARPHIRE</b> <small>ULTRA-CLEAR® GLASS</small> Now available with Starphire® Ultra Clear Glass by PPG.
<b>SuperLite® II<sup>XLM</sup> 60-120</b> Fire Resistive Multilaminate Glazing with Butt-Glazed Option	60-120 minute, CPSC Cat. II, ASTM E119 tested, clear fire resistive multilaminate glazing that blocks radiant heat transfer. Can be customized to include energy performance, security and unlimited decorative and custom glass options.	Fire resistive doors and wall assemblies. Available in butt-glazed applications.
<b>SuperLite® II<sup>XLB</sup></b> Fire Resistive Tempered Glazing for Oversized and Butt-Glazed Applications	60-120 minute, CPSC Cat. II, ASTM E119 tested, clear transparent glazing that blocks radiant heat transfer. Can be customized to include energy performance, noise abatement benefits, bullet resistance, hurricane resistance and unlimited decorative options.	Fire resistive wall assemblies. Available in butt-glazed applications.   <b>STARPHIRE</b> <small>ULTRA-CLEAR® GLASS</small> Now available with Starphire® Ultra Clear Glass by PPG.
<b>SuperSecure® II<sup>XLS</sup> 45-120</b> Fire Resistive Security Glazing	45-120 minute, CPSC Cat. II, ASTM E119 tested, clear transparent wall glazing that blocks radiant heat transfer and meets forced entry requirements.	Fire resistive doors, openings and wall assemblies for prisons and other high security areas.
Fire Protective Glazing	Features	Applications
<b>SuperLite® I</b> Fire Protective Specialty Tempered	20 minute, CPSC Cat. II, clear specialty tempered glazing. Decorative options also available.	Fire protective doors and partitions.   <b>STARPHIRE</b> <small>ULTRA-CLEAR® GLASS</small> Now available with Starphire® Ultra Clear Glass by PPG.
<b>SuperClear® 45-HS</b> <small>Patent Pending</small> Fire Protective Clear Specialty Glazing that meets Hose Stream	45 minute, CPSC Cat. II, clear specialty fire protective glazing that meets all requirements for 45 minute applications.	Fire protective doors, sidelites, openings and transoms.
<b>SuperClear® 45-HS-LI</b> <small>Patent Pending</small> Fire Protective Low-iron Specialty Glazing that meets Hose Stream	45 minute, CPSC Cat. II, low-iron, specialty fire protective glazing that meets all requirements for 45 minute applications.	Fire protective doors, sidelites, openings and transoms.   Low-iron.
<b>SuperLite® I<sup>XL</sup></b> Fire Protective Specialty Tempered with Partial Radiant Heat Protection	20-45 minute, CPSC Cat. II, directional specialty tempered glazing with partial radiant heat protection.	Fire protective doors, sidelites, openings and transoms.  SuperLite I-XL does not meet ASTM E119 and requires AHJ approval for 45 minute applications. Please visit <a href="http://www.saffi.com/AHJ">www.saffi.com/AHJ</a> for more information.
<b>SuperLite® I<sup>XL</sup><sub>IGU</sub></b> Fire Protective Specialty Tempered with Partial Radiant Heat Protection	20-45 minute, CPSC Cat. II, bi-directional IGU clear specialty tempered glazing with partial radiant heat protection.	Fire protective doors, sidelites, openings and transoms.  SuperLite I-XL IGU does not meet ASTM E119 and requires AHJ approval for 45 minute applications. Please visit <a href="http://www.saffi.com/AHJ">www.saffi.com/AHJ</a> for more information.
<b>SuperLite® X-45/60/90</b> <small>Patent Pending</small> Fire Protective Door Lites up to 100 square inches	45/60/90 minute clear, non-wired, and tint free glazing that meets all the fire and safety requirements for temperature rise doors.	45/60/90 minute door vision lites limited to 100 square inches.

# GPX<sup>®</sup> GLASS PROTEX<sup>®</sup> Fire Rated Framing

Framing System	Features	Applications
<b>GPX<sup>®</sup> ARCHITECTURAL</b> S E R I E S	Fire protective and resistive, aluminum framing system available in multiple profiles. Offered in standard and custom finishes, including high performance fluoropolymer finishes by PPG, clear anodized, bronze anodized, Decoral <sup>®</sup> , any species of wood veneer, ornamental metal, and more.	Doors Openings Walls
<b>GPX<sup>®</sup> SNAPCAP</b> S E R I E S	Patent-pending, easy to install, fire resistive system with slip-fit joinery and features extruded aluminum covers that mechanically snap to a tube steel core that provides structure and fire resistive endurance. Available in multiple finishes and profiles.	Openings Walls
<b>GPX<sup>®</sup> BUILDERS</b> S E R I E S FIRE PROTECTIVE	Fire protective framing system available on multiple profiles. Offered in standard and custom finishes including high performance fluoropolymer finishes by PPG, stainless steel and aluminum clad.	Doors Openings
<b>GPX<sup>®</sup> BUILDERS</b> S E R I E S TEMPERATURE RISE	Temperature rise door framing system available in multiple profiles. Offered in standard and custom finishes including high performance fluoropolymer finishes by PPG, stainless steel and aluminum clad.	Doors
<b>GPX<sup>®</sup> CURTAIN WALL</b> S E R I E S	Fire resistive aluminum framing system available in multiple profiles for multi-story spans of glass.	Curtain Walls
<b>GPX<sup>®</sup> HURRICANE</b> S E R I E S <b>GPX<sup>®</sup> HURRICANE</b> S E R I E S FLORIDA PRODUCT APPROVAL	Fire resistive, hurricane rated, aluminum framing system. Offered in standard and custom finishes including high performance fluoropolymer finishes by PPG, clear anodized, bronze anodized, black anodized, Decoral <sup>®</sup> , any species of wood veneer, ornamental metal, and more.	Doors Openings Walls
<b>GPX<sup>®</sup> BALLISTIC</b> S E R I E S	Fire resistive, ballistic rated aluminum framing system. Offered in standard and custom finishes including high performance fluoropolymer finishes by PPG, clear anodized, bronze anodized, black anodized, Decoral <sup>®</sup> , any species of wood veneer, ornamental metal, and more.	Doors Openings Walls
<b>GPX<sup>®</sup> BLAST</b> S E R I E S	Fire resistive, blast rated, aluminum framing system. Offered in standard and custom finishes including high performance fluoropolymer finishes by PPG, clear anodized, bronze anodized, black anodized, Decoral <sup>®</sup> , any species of wood veneer, ornamental metal and more.	Openings Walls
<b>GPX<sup>®</sup> FIREFLOOR</b> S Y S T E M	Fire resistive glass floor assembly.	Floors

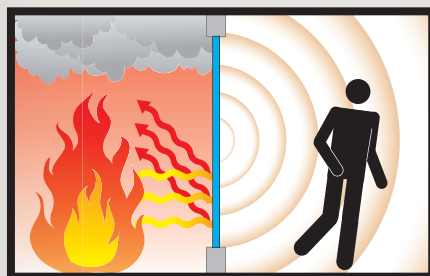
# Choosing Fire Rated Glass

## Fire Protective



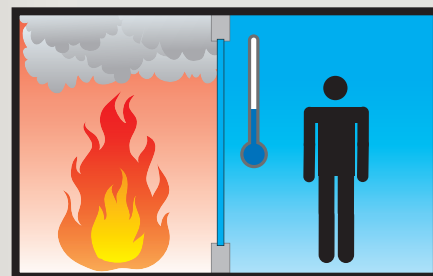
- Contains smoke and flames.
- 20 to 45 minute ratings limited to applications that are less than 25% of the wall area.
- 60 to 180 minute ratings limited to 100 sq. in. for use in temperature rise doors.

## Fire Protective - Heat Reflective



- Reflects dangerous radiant heat back towards the source.
- Provides partial radiant heat protection suitable for building exits and property lines.
- Does not meet ASTM E119 and requires AHJ approval for 45 and 60 minute applications. Please visit [www.safti.com/AHJ](http://www.safti.com/AHJ) for more information.

## Fire Resistive



- Contains smoke, flames and blocks the passage of radiant heat.
- Limits the temperature rise on the non-fire side to 250°F above ambient even when the other side reaches temperatures over 1800°F.
- Does not have the size limitations that fire protective products do.
- Can be used wall-to-wall and floor-to-ceiling when installed with an equally rated framing system.

## SAFTI**FIRST** Glass Products

**SuperLite® I**  
**SuperClear®45-HS**  
**SuperClear®45-HS-LI**  
**SuperLite® X-45/60/90**

**SuperLite® I-XL**  
**SuperLite® I-XL<sub>160</sub>**

**SuperLite® II-XL**  
**SuperLite® II-XLM**  
**SuperLite® II-XLB**  
**SuperSecure® II-XLS**

## Radiant Heat Transmission Through Fire Rated Glazing

