

TECHNICAL GLASS PRODUCTS OVERVIEW

OVERVIEW

Since 1980, Technical Glass Products (TGP) has been supplying specialized glazing materials and systems with the highest quality for commercial and institutional buildings in North America. Its motto, “one source, many solutions,” reflects a commitment to helping simplify glazing product specification, design and installation challenges faced by architects, general contractors and glaziers.

TGP has strong business relationships with top glass and architectural metal manufacturers to offer leading glass and framing product lines in North America and the Middle East. The company has offices in Seattle, USA; Toronto, Canada; and Dubai, UAE.

FIRE-RATED GLASS AND FRAMING

In the fire-rated glass and framing industry, TGP is the recognized leader by North American architects. It works closely with building code officials, designers and manufacturers to identify and develop products that meet the highest testing standards for safety, aesthetics and other requirements of today's buildings. The company is the sole North American and Middle Eastern supplier of the Underwriters Laboratories, Inc.® (UL) classified and labeled FireLite® family of clear and wireless ceramic glazing that blocks fire and smoke and can meet impact resistance requirements.



Other TGP fire-rated products include:

- Pilkington Pyrostop® – UL-classified and labeled fire and impact-resistant transparent wall panels that block fire, smoke and heat transfer
- Fireframes® family of fire-rated and UL-classified and labeled steel, aluminum, wood, curtain wall and glazed floor framing

TGP has an in-house design and engineering team that works with architects and designers to help meet building code requirements for life safety and a host of other challenges. For example, the company worked with the architects for the Art Institute of Chicago's Modern Wing to develop custom fire-rated aluminum frames – the Fireframes® Aluminum Series. The frames allowed for large expanses of fire-rated glazing in the Modern Wing's classrooms and corridors with sleek sightlines to match the exterior curtain wall designed by Renzo Piano.

PRODUCTS

For more information about any of our UL-classified and labeled products, please visit fireglass.ae. For more information about any of our architectural glass and framing products, please visit tgpamerica.com.

- FireLite® Fire-rated glass ceramic
- FireLite Plus® Fire-rated, laminated, impact safety-rated glass ceramic
- FireLite® NT Fire-rated, impact safety-rated glass ceramic with surface-applied film
- FireLite® IGU Fire-rated or fire/impact safety-rated insulated glass units
- Pilkington Pyrostop® Fire-rated, impact safety-rated transparent wall panels
- WireLite® and WireLite NT Fire-rated, wired glass
- Fireframes® Designer Series 20/45/60/90 minute fire-rated doors & frames
- Fireframes® Heat Barrier Series 60/90/120 minute fire-rated doors & frames
- Fireframes® Curtainwall Series 45/60/120 minute fire-rated frames
- Fireframes SG Curtainwall® Series 45/60/120 minute silicone glazed steel curtain wall
- Fireframes® Aluminum Series 45/60/120 minute fire-rated frames
- Fireframes ClearFloor® System 60/90/120 minute fire-rated, safety-rated glass floor system
- Fireframes® Hardwood Series 20/45/60 minute fire-rated doors & frames

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- Fireframes TimberLine™ Series 45/60/120 minute fire-rated frames
- LX and LX Premium X-ray shielding glass
- Pilkington Profilit™ channel glass system
- SteelBuilt Curtainwall®, SteelBuilt Curtainwall Infinity™ and SteelBuilt Window & Door® Systems

ARCHITECTURAL TOOLS

TGP provides architects with a range of design and support tools, including:

- BIM and 3-D modeling
- CSI format specifications
- Architectural specification manuals
- Product fact sheets
- Project design and engineering support

CONTACT

Contact Technical Glass Products for all of your fire-rated glass and framing and specialty architectural glass and framing needs. Please let us know how we can help with your next project.

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REFERENCE PROJECTS – NORTH AMERICA



Project: Northwestern University Engineering Life Sciences
Customer: Mid-States Glass & Metal, Inc.
Product: Fireframes ClearFloor® System
fire-rated glass floor
Architect: Flad Architects
Location: Evanston, IL



Project: University of San Francisco, John Lo Schiavo, S.J.
Center for Science and Innovation
Product: Pilkington Profilit™ translucent channel glass system
Architect: NBBJ
Location: San Francisco, CA



Project: William Jones College Preparatory High School
Product: FireLite Plus® fire-rated glass ceramic
Architect: Perkins + Will
Location: Chicago, IL



Project: Fulton Street Transit Center
Product: Fireframes® Curtainwall Series steel framing and
Pilkington Pyrostop® glass firewalls
Architect: Arup, with Grimshaw
Location: New York, NY



REFERENCE PROJECTS – MIDDLE EAST



Project: Yanbu II Power & Water Project
Customer: Saudi Archirodon LTD
Product: Fireframes® Designer Series frames and Standard FireLite® NT IGU insulated glass units
Location: Yanbu, Saudi Arabia



Project: King Abdullah Petroleum Library
Customer: Al Reyami Glass and Aluminum UAE
Product: Fireframes® Aluminum Series frames and Pilkington Pyrostop® glass firewalls
Location: Riyadh, Saudi Arabia



Project: Heart of Doha Phase 1A
Customer: Alu Nasa
Product: Fireframes ClearFloor® System fire-rated glass floor
Architect: Burns & McDonell
Location: Doha, Qatar

ADDITIONAL PROJECTS:

Project: Heart of Doha Phase 1C
Customer: Alu-nasa
Product: Pilkington Profilit™ translucent channel glass system
Architect: Burns & McDonell
Location: Doha, Qatar

Project: Cleveland Clinic
Customer: Sixco
Product: FireLite Plus® fire-rated glass ceramic and LX X-ray products
Location: Abu Dhabi, UAE

Project: Bahrain Four Seasons Hotel
Customer: Alu-tec
Product: Fireframes® Designer Series frames and FireLite Plus® fire-rated glass ceramic
Location: Bahrain