

FIRE GROUP GEORGIA

"fire protection excellence, flexibility custom-made"

GLAZED FIRE DOORS

PRODUCT CATALOGUE



E30–E120

EW30–EW120

EI30–EI90

EI120 fixed

GLAZED FIRE DOORS — OVERVIEW

Fire Protection is Necessary for Everyone. Fire Group Georgia brings more than 20 years of combined experience in the production of glazed fire doors to the Georgian market. We manufacture glazed fire doors, glazed partitions, sliding fire doors and fire-resistant curtain walls in E, EW and EI classes in accordance with the EN 1634-1 standard.

Fire Resistance Classes

Class	Performance	Available Products
E30 – E120	Integrity Only	Glazed Doors, Partitions, Curtain Walls
EW30 – EW120	Integrity + Low Radiation	Glazed Doors, Partitions
EI30 – EI90	Integrity + Insulation	Glazed Doors, Partitions
EI120	Integrity + Insulation	Fixed Frames / Curtain Walls

Why Glazed Fire Doors?

- Provides safety without sacrificing natural light — spaces stay bright and open
- Contrary to solid fire doors, glazed designs add transparency, depth and visual continuity
- Architecturally versatile: available in custom designs, shapes (including arched) and sizes
- Identical appearance for both fire doors and smoke control doors — seamless aesthetics
- Tested and certified in accordance with EN 1634-1 international standard
- Long-term functionality verified through 200,000 open/close cycle testing

JANSEN STEEL PROFILE SYSTEMS

Fire Group Georgia uses certified JANSEN AG (Switzerland) steel profile systems — recognized as the world leader in technical development and reliability for fire-rated glazed products. All profiles are hot-dip galvanized, powder-coated and thermally tested.

Jansen Economy — E / EW Class

Non-insulated steel profile system.

- Fire classes: E30 – E120 (Integrity only), EW30 – EW120 (Integrity + Low Radiation)
- Ideal for applications where thermal insulation is not required
- Slim sightlines for maximum glass visibility
- Suitable for interior doors, partitions and curtain walls

Janisol 2 — EI30 Class

Insulated steel profile system.

- Fire class: EI30 (Integrity + Insulation — 30 minutes)
- Thermally broken profile for improved energy performance
- Suitable for single-leaf and double-leaf door configurations
- Designed for interior compartmentalization

Janisol C4 — EI60 / EI90 Class

High-performance insulated steel profile system.

- Fire classes: EI60 and EI90 (Integrity + Insulation — 60 or 90 minutes)
- Advanced thermal break technology for superior insulation
- Available in single-leaf, double-leaf and sidelight configurations
- CE marked and certified to EN 1634-1

Janisol C4 EI120 — Fixed Frames

Insulated steel profile system for maximum fire resistance.

- Fire class: EI120 (Integrity + Insulation — 120 minutes)
- Available as fixed glazed frames and curtain wall elements
- Highest insulation performance in the Jansen fire-rated range

VISS Fire — Curtain Walls

Insulated steel profile system for interior and exterior facades.

- Fire classes: E, EW and EI — interior and exterior curtain wall systems
- Designed for large-format fire-resistant glazed facades
- Available in vertical and horizontal mullion/transom configurations
- Tested for both thermal and fire performance

CUSTOM DESIGNS & APPLICATIONS

Our glazed fire doors in project-specific designs bring quality and aesthetics to buildings. Unlike conventional solid fire doors, glazed fire doors bring **transparency, depth and natural light** to spaces. Fire Group Georgia designs and manufactures doors to project-specific requirements — including arched tops, oversized openings, custom profiles and special colors.

Office Buildings & Corporate Headquarters

- Double-leaf glazed fire doors for main lobbies and corridors
- Sidelights and transoms for maximum light transmission
- Integrated access control and automatic opening systems

Hospitals & Healthcare Facilities

- EI90 / EI120 rated doors for high-risk zones
- Hygienic surfaces and smooth sightlines for easy cleaning
- Motorized opening for hands-free operation

Schools & Universities

- EI30 / EI60 corridor doors with vision panels
- Vandal-resistant hardware options
- Tested for 200,000 cycle durability

Hotels & Hospitality

- Single-leaf EI60 doors for stairwells and fire compartments
- Smoke control doors matching fire door aesthetics
- Custom RAL-color powder coating to match interior design

Shopping Centres & Public Buildings

- Large-format EW-class curtain walls for atria
- Sliding fire doors with break-out / break-in escape function
- Smoke evacuation systems integrated with door hardware

Industrial & Logistics

- E120 integrity doors for high-bay warehouses
- Wide-format double-leaf configurations for forklift access zones
- Steel frame with industrial-grade galvanization

SMOKE CONTROL DOORS

Smoke protection is as important as fire protection. Statistically, smoke inhalation causes more fatalities in building fires than direct flame exposure. Fire Group Georgia smoke control doors are an essential requirement in all public, commercial and multi-storey residential buildings.

Key Facts About Smoke Control Doors

- Identical appearance to standard glazed fire doors — seamless design throughout the building
- Tested using long-term functionality protocol: 200,000 open/close cycles with self-closing mechanism
- Smoke leakage is controlled and limited — doors are never fully smoke-proof but meet EN standard limits
- Available with automatic closing triggered by smoke detectors or fire alarm systems
- Suitable for use as both corridor compartment doors and emergency exit doors
- Can be integrated with building management systems (BMS) for centralized monitoring

Smoke Performance Classifications (EN 13501-2)

Class	Test Condition	Max. Leakage Rate
Sa	Room temperature, 25 Pa	≤ 3 m³/h per metre of gap
S200	200 °C temperature, 50 Pa	≤ 20 m³/h (single) / ≤ 30 m³/h (double)

SLIDING FIRE DOORS

Fire Group Georgia glazed sliding fire doors combine everyday convenience with certified fire protection. EI30 class — providing 30 minutes of integrity and insulation. Our sliding fire doors with **escape function** have wings that slide open during normal daily use and open to 90 degrees (break-out / break-in) in case of fire, allowing safe and rapid building evacuation.

Technical Features

Fire Class	EI30 — 30 minutes Integrity and Insulation
Daily Operation	Smooth sliding motion — no interruption to normal building traffic
Emergency Function	Break-out and break-in: wings open to 90° for evacuation
Profile System	Jansen Janisol 2 insulated steel profiles
Drive Options	Manual sliding, automatic motor-driven with fail-safe open
Self-Closing	Automatic spring-loaded return to closed position in case of fire
Testing	200,000 cycle functionality test per EN 1634-1
Glazing	Fire-rated EI30 insulating glass units

HARDWARE & FITTINGS

Fire Group Georgia glazed fire doors and smoke control doors are compatible with a comprehensive range of recessed and surface-mounted hardware, access control systems and automation. All fittings are tested and certified for use with the respective fire door classification.

Locking Systems

- Automatic and manual locking mechanisms
- Panic-function multipoint locks
- Magnetic locks (fail-safe, fail-secure options)
- Electric strike and electric bolt mechanisms

Handles & Operating Devices

- Pull-push handles in stainless steel or powder-coated
- Lever handles with cylinder integration
- D-pull handles for frameless glass designs

Hinges

- Concealed pivot hinges (architectural finish)
- Weld-on hinges for heavy-duty steel frames
- Screw-on hinges for site adjustment
- All hinges tested for minimum 200,000 cycles

Access Control & Automation

- Proximity card and PIN-code access control systems
- Smoke detector integration for automatic release
- Automatic door opener mechanisms
- BMS (Building Management System) interface

Panic & Emergency Exit Hardware

- Panic bars (horizontal push-bar)
- Touch bars and exit path devices
- Push bars for non-panic emergency exits
- All hardware CE marked per EN 1125 / EN 179

Closing & Synchronization

- Overhead door closers (concealed and surface-mounted)
- Concealed in-floor door closers
- Leaf-synchronisation mechanism for double-leaf doors
- Hold-open devices with electromagnetic release

Sealing & Smoke Control

- Smoke stop drop seal (automatic guillotine gasket)
- Perimeter rebate sealing for smoke classification
- Intumescent seals for EI-class performance

Security Glazing Options

- Fire-rated laminated safety glass (EI30 – EI90)
- Fire-rated glass with anti-attack (P4A) rating
- Tinted / privacy-coated fire glass on request

TECHNICAL SPECIFICATIONS & STANDARDS

Glazing Specifications

Parameter	Specification
Glass type	Fire-rated laminated glass (EI / EW / E class)
Glass temperature range	-40 °C to +50 °C stable; avoid heat sources > 50 °C
UV exposure	Avoid direct UV / lighting that generates UV radiation
Humidity	Avoid installation in high-humidity environments
Minor imperfections	Small air bubbles may be present — normal for fire-rated glass; not a defect
Cleaning	Standard glass cleaners permitted; STEAM CLEANING IS STRICTLY FORBIDDEN

Applicable Standards & Certifications

Standard	Scope
EN 1634-1	Fire resistance and smoke control test for door and shutter assemblies
EN 13501-2	Fire classification of construction products — reaction to fire
EN 1125	Panic exit devices — requirements and test methods
EN 179	Emergency exit devices — requirements and test methods
EN 1935	Hinges — requirements and test methods for fire-rated doors
EN 1158	Closing sequencers — requirements and test methods
EN 12209	Locks — mechanically operated — requirements and test methods
EN ISO 10077	Thermal transmittance of windows and doors

PRODUCT RANGE SUMMARY

Fire Group Georgia offers the full range of glazed fire protection products — from individual doors to complete fire-rated facade systems.

Product	Profile System	Fire Class	Configuration
Glazed Fire Door	Jansen Economy	E30 – E120 / EW30 – EW120	Single-leaf, Double-leaf, with/without sidelight
Glazed Fire Door	Janisol 2	EI30	Single-leaf, Double-leaf
Glazed Fire Door	Janisol C4	EI60, EI90	Single-leaf, Double-leaf, with transoms
Fixed Glazed Frame	Janisol C4 EI120	EI120	Fixed frame / curtain wall panel
Sliding Fire Door	Janisol 2	EI30	Single-slide, Double-slide with escape function
Smoke Control Door	Jansen Economy / Janisol 2	Sa / S200	Same appearance as fire door range
Fire Curtain Wall	VISS Fire	E / EW / EI (various)	Interior and exterior facade systems

Finishes & Colors

- Standard: powder-coated RAL 7016 Anthracite Grey (dark steel look)
- Standard: powder-coated RAL 9016 Traffic White
- Custom: any RAL color on request — minimum order may apply
- Surface: smooth satin, textured or metallic effects available
- Anodised aluminium covers available for selected profile systems

CONTACT & COMPANY INFORMATION

FIRE GROUP GEORGIA

Glazed Fire Doors | Smoke Control Doors | Fire-Resistant Curtain Walls

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Fire Group Georgia reserves the right to make technical changes without prior notice. All measurements in millimeters unless stated otherwise. Installation must be performed by certified specialists per supplied documentation. Color samples may differ slightly from actual products.

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