



VETROTECH SAINT-GOBAIN

WE KNOW FIRE

SAINT-GOBAIN GLASS PROTECT

Vetrotech Saint-Gobain International AG

Vetrotech Saint-Gobain is one of the leading producers of fire-protection glass.

As part of the Saint-Gobain Group, Europe's largest glass producer, we know everything there is to know about glass. With our innovative research and development as well as the most modern production techniques, we find solutions of the highest standard. For us it is standard that our products satisfy not only the most stringent safety requirements and are multi-functional, but also meet the aesthetic demands of modern architecture. All of our fire-protection glasses are safety glasses, made of either toughened or laminated glass, which makes them unique worldwide. Thanks to their multi-functional uses, our products can also be used for energy conservation, UV protection and impact safety.

The transparency and multifunctional uses of our products contributes to the fact that the many and diverse demands of glass facades and naturall daylighting can easily be achieved. Individual design offers builders, architects and engineers the biggest possible scope to put their plans into action.

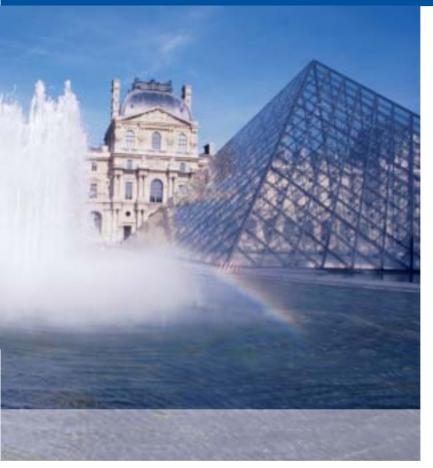


Cover photo: ICE railway station – airport Cologne-Bonn, see MULTIPOINT smoke curtain with fire resistance E 30, see PYROSWISS 1800 m^2 .

We Know Fire!



Saint-Gobain Group



We develop the glass of the future

Saint-Gobain has been active in the development and production of glass since 1665. From the beginning Saint-Gobain has characterised the technical development of glass through pioneering and the thirst for new knowledge. Today Saint-Gobain can deliver practically every glass type that is used in building, transportation and specialty applications worldwide present in 55 countries, with more than 710 consolidated companies and over 200,000 employees around the world, Saint-Gobain is a leader in the manufacture of glass and high performance building materials and products.

The Future of Glass Since 1665





Leading in Innovation

Research and development

The Saint-Gobain group has a global network of research and development centres, with a continually expanding specialist knowledge that has grown over centuries. The individual country representatives of Vetrotech Saint-Gobain benefit from this international interlinked experience, so that our fire protection glass always meets the particular fire protection and building regulations of that country. We work together with designers, engineers and architects to create national solutions with the highest level of safety.



Some lead – others follow





Manufacturing Technologies



Fire protection safety glass

Coated fire protection safety glasses offer protection from flames and smoke and reduce radiated heat. The interlayer fire protection safety glasses guarantee complete protection from conducted and radiated heat for a particular length of time. They stand out with their transparency and excellent UV stability during their whole life-span. As safety glasses, they are suitable for personal safety in buildings and due to their extreme robustness the risk of breakage is also reduced, which makes fast and cost-effective installation possible.



Toughened

Toughened and coated

Toughened with Interlayer

Laminated with interlayer



Product Range

Fire protection glasses

The wide product range of Vetrotech Saint-Gobain is based on various technologies and production processes, which have been developed with a high level of commitment and innovation. From the special base glasses that are toughened to the interlayer products, Vetrotech Saint-Gobain offers the designer the optimal glass for every fire-protection demand imaginable. We thereby ensure a cost-effective application-specific solution as well as protection against fire, smoke and radiated heat.

O	Fire resistance (in minutes)				
	Classe	30'	60'	90'	120'
	E	0			
E = Provides a physical barrier against flame, hot toxic gases and smoke	E				
15 kW/m²	EW				
	EW				
EW – Control of the transmission of radiated heat below a specified level	EW				
	EI				
	EI				
EI – Highest performance limitation of surface temperature on the unexposed side	EI				
= succesfully tested					





Product overview

sgg PYROSWISS®

Protection from fire, smoke and toxic gases. Multifunctional without having to compromise between safety and appearance.

sgg PYROSWISS® EXTRA

Special substrate float glass for high duration fire ratings, a light and slim product with enhanced mechanical stability.

transparent

sgg VETROFLAM®

Reduces radiated heat due to a neutral coating, and can easily be combined with other products in double glazed unit form.

sgg CONTRAFLAM® LITE

Toughened glasses offer increased mechanical strength and reduce the risk of breakage during transport and installation. Designed for large pane sizes for internal and external use as well as being UV-stable.

sgg SWISSFLAM® LITE

Excellent safety and UV properties. The product is made up of laminated glass, which can be double glazed if desired, making possible the combination of sound, Low E and safety functions.

sgg CONTRAFLAM®

Satisfies the highest demands in fire protection. Robust in handling, with interlayers that turn opaque, UV stable and with numerous variations available, both decorative and multifunctional.

sgg SWISSFLAM®

Transparent fire protection laminated safety glass with interlayers that turn opaque and expand in a fire situation. The product is made from sgg STADIP laminated safety glass.

sgg SWISSFLAM® STRUCTURE

The all glass fire protection system, with vertical silicone or H-profile joints for full height, frameless glazing. Thanks to the narrow joints new possibilities have been opened up with regard to design, aesthetics and transparency.

Forms an opaque layer in the event of a fire

in the event of a fire

Product Applications

Applications

Facades

Bolted fire glass like sGG MULTIPOINT PYROSWISS allows architects and designers excellent creative freedom.

All Glass Doors

All Glass Doors create an unexpected feeling of space thanks to the high levels of natural light.



Glazed automatic doors with integral electro-magnetic ON and OFF functions combine fire protection with user comfort and aesthetics.

Glass Floors

The transparent walkable glass solution sag LITE-FLOOR in combination with sag CONTRAFLAM makes it possible to have a vertical source of light entry in stairwells.







PALL MALL UK Roger Wilde Ltd



KENZO – LVMH, Paris sgg CONTRAFLAM® 60 N2 Architect: Ory Installer: Presta Metal Photo: Luc Boegly

Product Applications



Glass Roofs

Overhead glazing with integrated fire protection guarantees natural illumination and safety in the adjoining rooms.

Partitions

The vertical frameless all glass partition system soc SWISSFLAM STRUCTURE generates a new feeling of freedom with its transparency.

Integral blinds and privacy

With the integral blinds in Screen-Line fire protection glass, the amount of day lighting or visual transparency can be regulated as required.

Design

Our fire protection glasses ensure there are no limits to the creative freedom of architects – illustrations, lettering and colouring are easy to achieve, as well as curved glass.

It's about solutions







LE PALATIN Architect: ARTE CHARPENTIER Installer: Goyer/Presta-Metal

Design & Function



Various applications, easily combinable

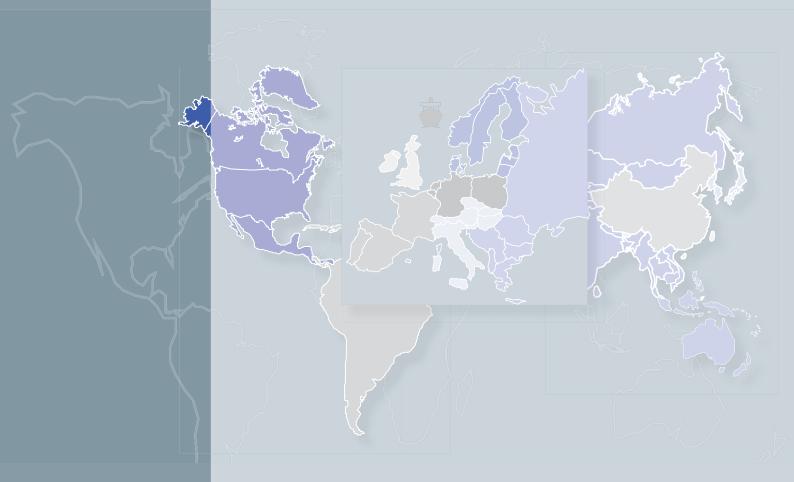
Architecture today demands fire glass solutions that fulfil both the high demands of design and multifunctional usage, which has been achieved by the Vetrotech Saint-Gobain products. They can easily be combined with all Saint-Gobain Glass products, from ornamental glass like Masterglass etched and printed glass, to Privalite for privacy at the push of a button. In combination with the Saint-Gobain Glass Comfort, Design, Vision, System and Protect product families, they open up new creative possibilities to architects and provide high levels of safety. Various uses like Low E, UV protection, impact safety and overhead glazing enable high aesthetic and technical levels with ease.

No compromises





Worldwide Service







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