



THE ESSENTIAL
SOUTHEAST ASIA



SAINT-GOBAIN ENHANCE THE WELL-BEING OF BUILDING OCCUPANTS

Since it was founded in 1665, Saint-Gobain has developed into providing high performing and innovative glass solutions: products, services and systems, helping to create great living places and improve daily life.

SAINT-GOBAIN HIGH PERFORMANCE GLASS IS EXPANDING ITS PRESENCE IN THE SOUTHEAST ASIA REGION

This move aims to better serve you, our valued customers, with world-class high-performance glass solutions right where you need them. This initiative reflects our commitment to **regional growth, local engagement, and customer-centric service.**

Saint-Gobain continues to set the standard for quality, sustainability, and innovation. And now, we're bringing these benefits even closer to your doorstep.

EXPANDING EXPERTISE AND SHARING EXPERIENCE IN SEA

By expanding in SEA and partnering with Saint-Gobain entities—Mortars and Construction Chemicals, Gypsum, Cement Boards, and Insulations—we deliver faster response times and stronger project support. With **360 years** of expertise, Saint-Gobain ensures proven solutions, lasting partnerships, and future-ready performance.



MANUFACTURING FACILITIES

High performance coated glass combines energy efficiency, comfort, and respect for the environment.

APPLICATION OF ARCHITECTURAL GLASS

- Windows
- Skylights
- Structural glazing
- Façade glazing
- Bolted systems
- Curtain wall glazing
- Fenestration application



LOCAL REPRESENTATIVES

Our sales and technical team across the region is on hand to accompany you at every stage of your project.

A dedicated team of experts can provide you with valuable support such as a sustainability analysis, structural calculations, daylighting analysis, and acoustic performance calculations for glass during design stage thereby helping you choose the most suitable glass options for your projects.

Saint-Gobain products can contribute to Green Building certifications.

Project Ratings:



Product Declarations:



*These declarations depends on the coating's production site.

KEY GLAZING PERFORMANCE FACTORS

Solar Factor (SF)

Total solar energy entering into the building. Figure between 0 and 1. The lower the g-value, the more efficient the glazing is in blocking solar entry.

Selectivity (or LSG)

Ratio between the light transmittance (LT) and the solar factor (SF). The higher the selectivity value, the better the glazing is in reducing more solar energy than visible light.

U-value

Thermal Transfer Coefficient. Quantity of heat transferred through the glazing due to the temperature difference between inside and outside. The lower the U-value, the better the thermal insulation performance.

Shading Coefficient (SC)

$SC = g\text{-value}/0.87$
(0,87 is the solar factor of a 3mm clear float glass)

GLASS SOLUTIONS

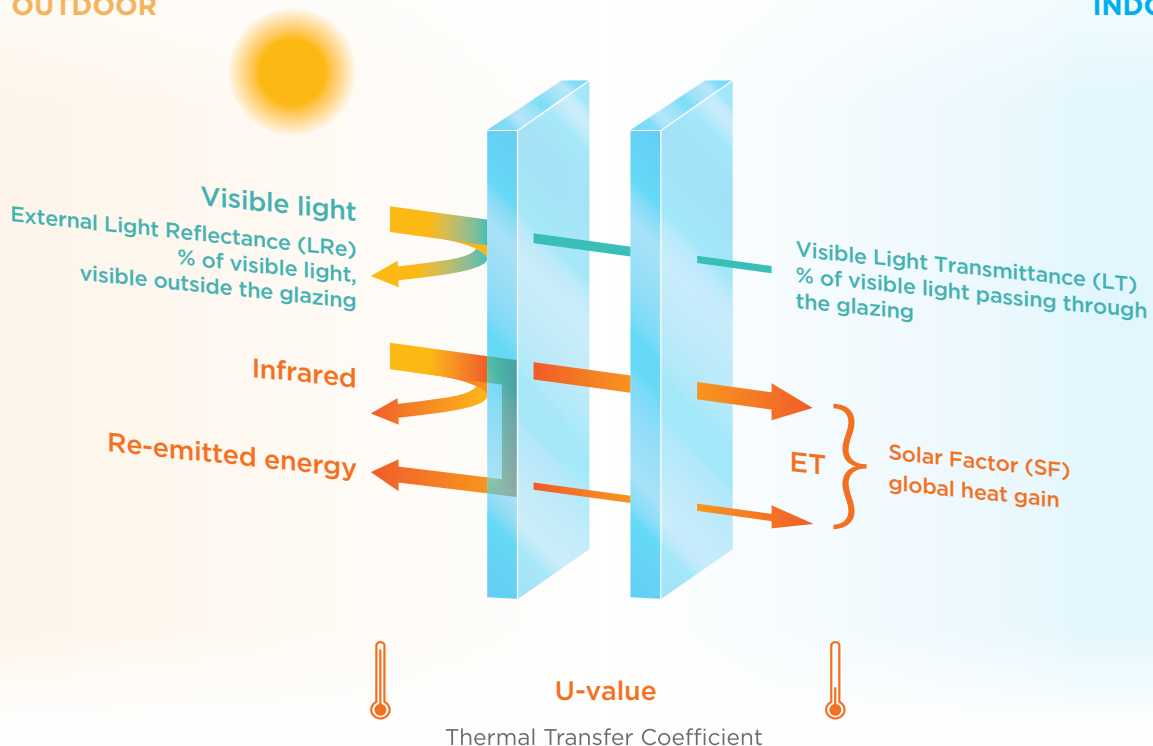
FOR FAÇADES AND INDUSTRIAL SPECIALTIES

Saint-Gobain Glass offers a complete range of energy efficient coated glass and insulated glazing. With solar control, low emissivity, and transparency, our glass meets the requirements of low energy consumption for buildings.



OUTDOOR

INDOOR



Performance Needs

The key performance concepts in designing a building enveloped with glass, specifically for Green Buildings, are explained below:



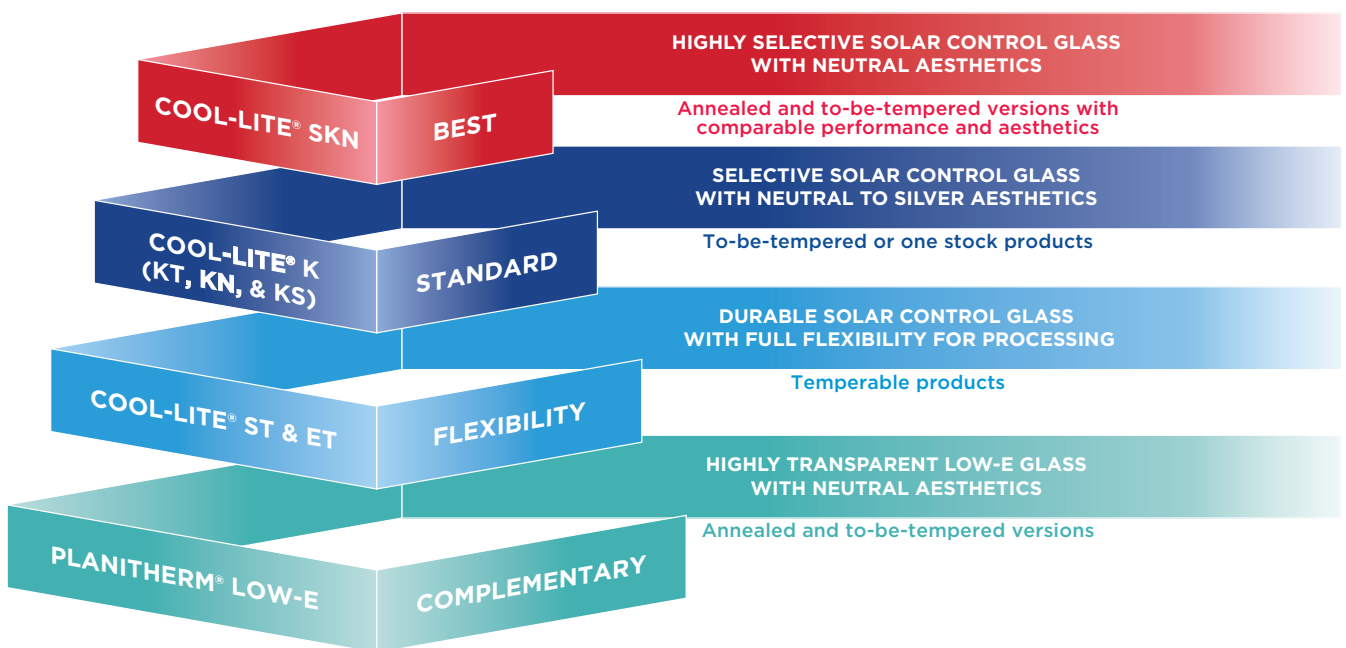
Relative Heat Gain (RHG) or Total Heat Gain (THG)

It is the term that describes the amount of heat energy entering through the glass due to the direct solar radiation incident & heat transfer due to temperature differential.

$$\text{RHG} = (\text{Solar Incident Energy} \times \text{Solar Factor of Glass}) + (\text{U-Value in W/sqm.K} \times \text{Temperature Difference } (\Delta T))$$

PRODUCT FAMILY OVERALL OUR WORLDWIDE SOLAR CONTROL GLASS RANGE FOR FAÇADES

PER PRODUCT TYPE



OUR PRODUCT AND SERVICE OFFER FOR FAÇADES



PRODUCT TYPE

COOL-LITE® ST

High performance advanced solar control glass that reduces heat while maintaining optimum light transmission with minimum visual glare and design flexibility.



Features

- Manufactured by depositing layers of metallic oxides on float glass by magnetically enhanced cathodic sputtering under vacuum conditions
- High performance
- Glare reduction



Applications

- Structural glazing, façade glazing, bolted systems, curtain walling, and fenestration applications
- Single glazing, insulated glazing units, laminated, heat treated, and bent glazing units



Advantages

- Solar control
- Optimum light transmittance
- Ease in processing
- Versatile and satisfies several designer criteria
- Available in shades of Grey, Blue, Green, and special colours: Rose, Gold, Bronze, and Copper



Processing

- Tempered / heat strengthened
- Could be used as monolithic glass or assembled into an IGU (Insulated Glazing Unit)
- Laminated units
- Bent units



Thickness

- Available in standard thickness 4mm, 5mm, 6mm, and 8mm
- 10mm and 12mm (in neutral shades)*

COOL-LITE® ET

High performance advanced solar control and thermal insulation glass for single glazing application.



Features

- Manufactured by magnetically enhanced nano technology based cathodic sputtering under vacuum conditions
- Lower internal reflection
- Higher light transmission



Applications

- Structural glazing, façade glazing, bolted systems, curtain walling, and fenestration applications
- Single glazing, insulated glazing units, laminated, heat treated, and bent glazing units.



Advantages

- High performance in single glazing
- Available in lighter shades and hues
- Highly energy efficient and complies with the requirements of green buildings and ECBC (BEE) norms. An ideal solution for buildings going in for LEED Green rating .
- Helps maintain clear vision both during daytime as well as night
- Available in shades of Grey, Blue, and Green



Processing

- Tempered / heat strengthened
- Could be used as monolithic glass or assembled into an IGU (Insulated Glazing Unit)
- Laminated units
- Bent units



Thickness

- Available in standard thickness 4mm, 5mm, 6mm, and 8mm
- 10mm and 12mm (in neutral shades)*

COOL-LITE® KT, KN, & KS

High performance advanced solar control and thermal insulation glass (single silvered Low-E), with performance that directly fits green building requirements.



Features

- Manufactured by depositing layers of metallic oxides on float glass by magnetically enhanced cathodic sputtering under vacuum conditions
- Neutral colours
- Very low reflection for COOL-LITE® KT
- Higher light transmission
- Higher heat reflection



Applications

- Structural glazing, façade glazing, bolted systems, curtain walling, and fenestration applications
- Insulated glazing units, double glazed unit, laminated IGU, heat treated, and bent glazing units



Advantages

- Advanced solar control and thermal insulation
- An ideal sustainable glazing solution for all seasons and desired functionality
- Neutral appearance that makes it aesthetically appealing
- An environment friendly product that helps reduce energy consumption
- Available in shades of Grey, Blue, Green, Blue Green and special colours: Gold and Bronze



Processing

- Tempered / heat strengthened
- Have to be assembled into an IGU (Insulated Glazing Unit)
- Laminated IGU units



Thickness

- Available in standard thickness 4mm, 5mm, 6mm, and 8mm
- 10mm and 12mm (in neutral shades)*

COOL-LITE® SKN

State-of-the-art solar control and thermal insulation glass – double silvered Low-E glass, with high spectral selectivity (light-heat ratio), supporting energy efficiency and green building certification.



Features

- Manufactured by depositing layers of metallic oxides on float glass by magnetically enhanced cathodic sputtering under vacuum conditions
- High spectral selectivity (light-heat ratio)
- High thermal insulation
- Low heat transfer



Applications

- Structural glazing
- Façade glazing
- Curtain walling
- Fenestration applications



Advantages

- Very high performance
- High selectivity
- Abundant light transmission with excellent solar control and thermal insulation
- Available in shades of Grey, Blue, and Green



Processing

- Tempered / heat strengthened
- Have to be assembled into an IGU (Insulated Glazing Unit)
- Laminated IGU units
- Bent units



Thickness

- Available in standard thickness 4mm, 5mm, 6mm, and 8mm
- 10mm and 12mm (in neutral shades)*

PLANITHERM® LOW-E

Advanced thermal insulation glass (Low-E) that reflects long wave heat radiation and provides high thermal insulation.



Features

- Manufactured by depositing layers of metallic oxides on float glass by magnetically enhanced cathodic sputtering under vacuum conditions
- Neutral appearance due to very low reflection
- Excellent light transmittance



Applications

- External double glazing applications
- Window, skylights, and facades
- Glazing of greenhouses and patio doors



Advantages

- Allows maximum light penetration
- Thermal insulation
- Neutral appearance
- Low reflection
- Available in shades of Grey, Blue, and Green



Processing

- Tempered / heat strengthened
- Have to be assembled into an IGU (Insulated Glazing Unit)
- Laminated IGU units
- Bent units



Thickness

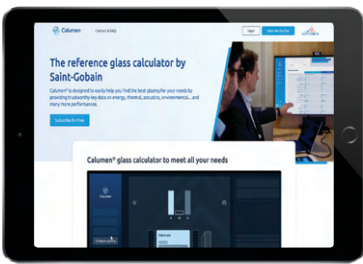
- Available in standard thickness 4mm, 5mm, 6mm, and 8mm
- 10mm and 12mm (in neutral shades)*

OUR DIGITAL TOOLS AND SERVICES

CALUMEN® - THE REFERENCE GLAZING CALCULATOR BY SAINT-GOBAIN GLASS



Calumen®



**DISCOVER AND TRY
CALUMEN ONLINE**

Calumen® is a glazing configurator designed for all building professionals, whatever their level of expertise in glass products: architects, designers, engineering offices, consultants, façade makers, window manufacturers, glass processors and general contractors.

- Determine the light, energy, thermal or acoustic performances of your glazing
- Find a suitable glazing for your project based on its required performance values
- Personalize settings such as type of glazing, type of coating, glass and cavity thickness
- Get an illustration of the aesthetic of the façade
- Make comparisons between our products to do the best choice
- Save your glazing configuration for further access at any time
- Calculate the carbon footprint of your glazing*

Free and user-friendly (online version without software to install):

Calumen® is the perfect tool for finding the right glass for architectural projects of any size.

Join our thousands of users and create an account on Calumen® here:

www.calumen.com

* Carbon footprint values presented are estimations based on the Life Cycle Analysis of our European products (A1-A3). Only complete Environmental Product Declaration can be verified by an external third party. The value is calculated regarding the composition computed based on the standard EN 15804+A2 (2019).

GlassPro - THE PHYSICO-REALISTIC GLASS RENDERING SERVICE BY SAINT-GOBAIN GLASS



GlassPro



Saint-Gobain Glass makes easier the choice of glazing for architects with GlassPro, the digital service that enables professionals to accurately predict the future appearance of their façades, going far beyond traditional renderings. A tool that radically transforms the decision-making process.

GlassPro consists of 3 services:

GlassPro APP: USER-FRIENDLY APP FOR INITIAL GLAZING SELECTION WITH HIGH-DEFINITION VISUALIZATION

GlassPro APP is an application which enables the user to visualize virtually all Saint-Gobain Glass' standard glazing products. Choose and compare two types of glazing under a variety of lightning conditions and several interior design settings through two different environments.

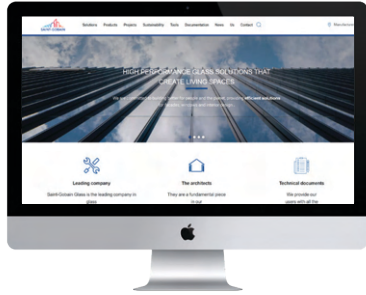
GlassPro LIVE - THE ON-DEMAND SERVICE

GlassPro Live, Saint-Gobain Glass' on-demand service of glass facade rendering, allows architects to obtain a faithful simulation of their project's future appearance.

GlassPro 360 - THE VIRTUAL REALITYSERVICE

GlassPro 360, the latest Virtual Reality service further optimizes the user experience by enhancing the immersive and comparative functions of GlassPro Live

WEBSITE SAINT-GOBAIN GLASS



Find all the information about our products and services and our latest news on our international website!

Discover our product range, services, and tools to find the ideal glass for your project which respond the best to your needs.

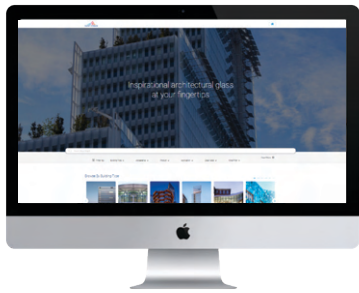
Find out more about our sustainability approach and our commitments and actions in terms of decarbonisation and circularity.

The website is also the place to find our latest news, or a quick access to our EPDs and certifications.

www.saint-gobain-glass.com

This international website is also a place to find out the link to our detailed local offer and contact in our different regions.

CALUMEN® GALLERY - THE REFERENCE PROJECT WEBSITE FOR GLASS FAÇADES



Come and explore our architectural references around the world showing a wide range of glass solutions, innovations and aesthetic options for the building envelope.

Discover buildings with exceptional design, offering sustainable living spaces and making our environment worth living in.

www.saint-gobain-glass.com/calumen-gallery



**EXPLORE OUR PRODUCT OFFER
AND ARCHITECTURAL REFERENCES
ON OUR WEBSITE**

 Calumen Gallery







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SAINT-GOBAIN GLASS - SOUTHEAST ASIA
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