



LIGHT & SUSTAINABLE  
HEALTHCARE.  
**BUILT TO PROTECT.**

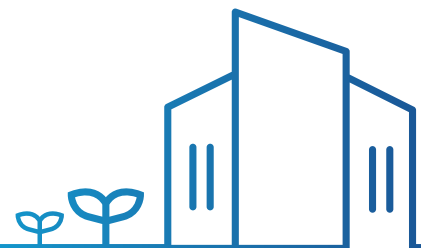




## TAKING CARE OF THE HEALTHCARE SECTOR



India's healthcare sector is expanding rapidly to meet the needs of a growing population and rising expectations for quality care. With the need for thousands of hospitals and healthcare facilities across the country, architects and designers today have a unique opportunity **to shape environments that positively influence patient recovery, caregiver wellbeing, and operational efficiency.**



# THE NEEDS OF THE HEALTHCARE SEGMENT



In the healthcare industry, the 5 most sought-after needs are:

01

**Efficient construction**

As healthcare infrastructure continues to evolve across both metropolitan and regional India, the design and construction of hospitals must meet the need for efficient construction that is resource-efficient, sustainable, faster and modular, while incurring lower operational expenditure.



02

**Energy-efficiency**

With hospitals among the most energy-intensive buildings due to 24/7 operations and controlled indoor environments for patient care, energy-efficiency is a critical consideration in hospital design and construction.



03

**Wellbeing**

Wellbeing in healthcare environments plays a vital role in patient recovery. Well-designed spaces that provide balanced light, controlled temperature, acoustic calm, and clean air support healing and overall wellbeing.



04

**Hygiene**

Hygiene is a non-negotiable element in hospital environments and building materials must be equipped to foster clean and hygienic spaces that help keep infections at bay and aid in faster recoveries.



05

**Safety**

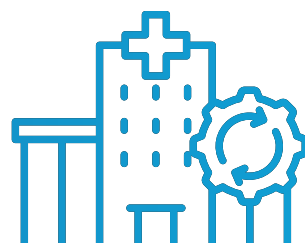
Healthcare buildings must be designed with stringent fire safety and performance requirements to protect patients, staff, and critical operations.



The future of hospital design lies in achieving a harmony of efficient construction, energy-efficiency, wellbeing, hygiene and safety with **light, sustainable and durable construction.**

01

EFFICIENT  
CONSTRUCTION  
THAT LASTS



Hospital construction in India must respond to growing healthcare demand with solutions that are resource-efficient, faster to build, and adaptable to evolving medical technologies. This underscores the need for light, sustainable, and durable construction in modern healthcare infrastructure.



### LIGHT CONSTRUCTION

Healthcare facilities require building solutions that support faster construction, efficient resource use, and long-term adaptability. Lightweight systems help reduce structural loads, simplify installation, and accelerate project timelines, so hospitals can expand or upgrade with minimal disruption.

Integrated solutions from Saint-Gobain — including drywall construction, gypsum plasterboards, plasters, insulation, glazing, partitions and hardwares — enable faster and dry construction, resulting in lower structural loads.



### SUSTAINABLE CONSTRUCTION

Sustainability is becoming essential in healthcare design as hospitals work to reduce energy consumption, comply with evolving environmental regulations, and maintain strict indoor environmental standards while operating around the clock. Green hospitals — designed with energy-efficient materials, optimal daylight, thermal comfort, and good indoor air quality — also contribute to better patient outcomes by creating environments that support faster recovery and overall wellbeing.

A combination of Saint-Gobain's high-performance glazing, insulation, acoustic systems and plasterboard solutions helps maintain balanced indoor temperatures, improve daylight and acoustic comfort, leading to reduced overall energy demand.



### DURABLE CONSTRUCTION

Healthcare environments operate continuously and are subject to heavy use, frequent cleaning, and stringent hygiene requirements. This makes durability a critical factor in hospital design, ensuring that materials can withstand wear, moisture, and repeated maintenance while maintaining performance over time.

Saint-Gobain applications such as specialised glazing, sturdy plasterboards, drywall systems, insulation, modular partitions, acoustic ceilings, construction chemicals, waterproofing systems and durable interior finishes like glassfibre wall coverings help create spaces that enhance the lifetime of the structure while balancing durability, functionality, safety, and comfort. These solutions contribute to environments that are quieter, resilient, comfortable, and easier to maintain as well as support responsible resource use.



Together, light, sustainable and durable construction helps reduce project timelines, optimise capital investment, and lower long-term operational costs — while enabling safe, comfortable, and efficient healthcare environments designed to perform reliably for decades. It is about creating healthcare spaces that care for both people and the planet.

# 02

## EFFICIENCY THAT CUTS COSTS





Hospitals operate 24×7, making them among the most energy-intensive building types due to the need for continuous lighting, ventilation, medical equipment, and precisely controlled indoor environments. Improving energy-efficiency is therefore essential to manage operational costs, meet evolving environmental regulations, and maintain stable conditions for patient care and occupant comfort.



Green building frameworks in India — such as Indian Green Building Council and Green Rating for Integrated Habitat Assessment — encourage healthcare facilities to adopt energy-efficient design and construction practices that reduce energy consumption, lower carbon emissions, and enhance indoor environmental quality.



Integrated building solutions from Saint-Gobain like high-performance glazing and insulation support the creation of energy-efficient healthcare environments. They provide effective thermal and solar insulation, while enabling abundant natural daylight without excessive heat gain or harmful UV radiation, helping maintain stable indoor conditions. By reducing the load on HVAC systems, they create spaces that support patient recovery, enable caregivers to work efficiently, and contribute to more sustainable hospital operations.

# 03

WELLBEING  
THAT  
TRULY  
MATTERS





Healthcare environments need to prioritise comfort and wellbeing, as design can significantly influence patient recovery and the experience of families. Spaces should incorporate natural daylight, calming interiors, and welcoming areas such as family lounges or child-friendly zones to help reduce stress and anxiety.



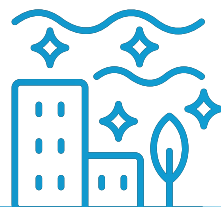
Hospitals also need effective acoustic management. Walls and ceilings with appropriate sound reduction and sound-absorbing properties are essential to limit noise transfer and control reverberation. This is particularly important in intensive care units, recovery wards, and treatment areas, where quieter environments support patient comfort and clear communication among medical staff. Also, materials with low VoCs, like glass and formaldehyde absorbing plasterboards, are integral to the healthcare space for substantially improving air quality.



Solutions from Saint-Gobain — including high-performance glazing for abundant daylight and solar control, insulation for thermal efficiency, gypsum wall and ceiling systems for acoustic comfort — work together to create calm, stress-reducing healthcare spaces that support patient recovery and overall wellbeing.

# 04

## CLEAN SPACES THAT SAFEGUARD





▶ Hospitals need the highest standards of hygiene, as maintaining sterile environments is fundamental to patient safety and infection control. Materials therefore must be durable, non-porous, and easy to clean, to prevent contamination.



▶ Healthcare buildings also require effective weatherproofing and waterproofing systems to prevent water ingress and maintain hygienic conditions. In wet areas such as bathrooms, laboratories, and operation theatre wash zones, water-resistant and waterproof materials are essential to ensure long-term hygiene, durability, and operational reliability. Not just this, anti-skid flooring is paramount to facilitate safe mobility of the patients.



Solutions from Saint-Gobain, including moisture-resistant plasterboards, wall coverings, waterproofing systems, and specialised construction materials for flooring, help ensure long-term protection, hygiene, and performance in such demanding environments.

05

SAFETY  
THAT  
SAVES LIVES





Hospitals need the highest standards of safety, as vulnerable patients and critical operations must be protected at all times. High-performing materials with impact resistance, laminated safety features, and fire-rated capabilities are essential to safeguard patients, visitors, and medical staff.



Key building elements — walls, shafts, floors, roofs, and ceilings — need to use non-combustible materials that help contain the spread of fire and smoke, while patient areas must be compartmentalised to support safe evacuation. Fire-rated systems also need to be rigorously tested for structural stability, integrity, and insulation performance during fire events.



Solutions from Saint-Gobain, including a range of fire-safety glazing, fire-rated gypsum plasterboard systems and insulation, support these stringent safety requirements in healthcare environments.

# BUILDING CODES AND REGULATORY LANDSCAPE





## DESIGNING FOR COMPLIANCE AND DELIVERING HIGHER PERFORMANCE.



- ▶ India's building codes define the critical requirements for safety, efficiency, and operational reliability in healthcare environments. Saint-Gobain solutions are designed not only to meet these standards but to exceed them—helping healthcare institutions achieve enhanced energy efficiency, durability, safety, and performance stability for mission-critical operations.



- ▶ **7 out of 10 Green buildings in India use Saint-Gobain products.**

### LCAs/EPDs



- ▶ All Saint-Gobain products and systems are supported by more than 3,000 Life Cycle Assessments (LCAs). The outcomes of these assessments, including Environmental Product Declarations (EPDs), are transparently published and independently verified by third parties.



Regulatory codes and green-rating frameworks establish baseline expectations for performance in healthcare institutions. Saint-Gobain solutions are **engineered to exceed** these requirements.



**The National Building Code (NBC 2016)** sets standards for fire safety, ventilation, daylight, and indoor environmental quality.



### Saint-Gobain solutions exceed benchmarks



Through drywall assemblies, fire-rated glass systems, and fire curtains **tested from 30 minutes up to 240 minutes**



Acoustic Insulation with drywall systems, glass partitions, and window systems, achieving up to **80 dB reduction**



**Low-VOC coatings and flooring systems** support healthier indoor environmental conditions



Specialty acoustic ceilings and wall panels can achieve **reverberation time under 0.6 sec**



Fire-resistant mortars and coatings **enhance passive fire protection** of critical structural elements



**Non-combustible insulation** exceeding the requirements of NBC Part 4



Vandal, attack, bullet, and blast-resistant glass systems for protection against physical threats.



Green frameworks such as **IGBC** and **GRIHA** assess daylight, IAQ, material impact, and acoustics.



### Saint-Gobain solutions support stronger outcomes



Delivering **daylight factors above 2%**



**Achieved NC 30-35** acoustic conditions



Lower embodied carbon with **certified, low-impact materials**: glass, plasterboard, and concrete admixtures



Specialty acoustic ceilings, glass partitions, drywall systems and wall panels help reduce background **noise levels < 35 dBA** and **reverberation time < 0.4 sec**



Insulated building envelope helps to maintain thermal comfort by **reducing heat load up to 80%**



Compressed insulation packaging **reduces site waste and logistics cost**



Over-deck insulation and waterproofing systems enhance thermal efficiency, contributing to **reduced energy consumption** within buildings.



**Energy Conservation and Sustainable Building Code (ECSBC 2024)** defines limits for thermal performance and solar heat gain.



**Saint-Gobain drywall, glazing, insulation, construction chemicals, and window solutions outperform the code mandates**

Exterior drywall systems offering **30-40% better thermal efficiency**



**U-values** as low as **0.20-1.6 W/m<sup>2</sup>K**  
**SHGC** values reaching **0.23**



Reduced HVAC load with Insulation solutions with **R-value 25%** better than ECSBC 2024 requirements for improved occupant comfort



Spray-applied insulation systems and high solar reflective coatings improve **building thermal performance** and reduce **energy consumption**



**LEED** further measures EUI and envelope performance



**Saint-Gobain drywall, glazing, insulation, construction chemicals, and window solutions contribute to 8-12 LEED EA points by reducing HVAC loads and improving EUI**

**U-values 0.6 to 0.8 W/m<sup>2</sup>K** with exterior drywall system and **1.0-1.6 W/m<sup>2</sup>K & SHGC down to 0.23** with high-performance glazing



High-efficiency insulation and verified disclosures such as **EPDs and low-VOC certifications**



Help projects document performance gains across **Energy, IEQ, and Materials credits with greater reliability**



Lower embodied carbon with **certified, low-impact materials**: glass, plasterboard, and concrete admixtures



Credits In Material, Sustainability, and **IAQ - up to 20 Points**



Low Thermal Conductivity and Recyclable materials **contribute to sustainable material credits**



PU spray-applied foam insulation over roofs (**K-value ~0.028 W/m·K**), along with **high solar reflective coatings (SRI >100)** enhances **thermal efficiency** and supports improved **energy performance**

**High-efficiency** glazing, windows, hardware, insulation, drywalls, specialty ceilings & wall panels, gypsum plasters, fire and acoustic-rated systems, and construction chemicals collectively strengthen every dimension of multi comfort, enabling workplaces that deliver higher efficiency, enhanced occupant **comfort** and **wellbeing**, and **long-term performance** beyond mandated standards.

# LIGHT & SUSTAINABLE SOLUTIONS FOR GREEN BUILDINGS

**38**  
POINTS

HIGHEST CONTRIBUTION OF GREEN RATING POINTS



2  
POINTS



### PASSIVE ARCHITECTURE

HIGH PERFORMANCE GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS

15  
POINTS



### ENERGY EFFICIENCY

HIGH PERFORMANCE GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
THERMAL EFFICIENT DRY WALL & CEILING SYSTEM |  
INSULATION

5  
POINTS



### GREENPRO CERTIFICATION

HIGH PERFORMANCE GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
PLASTERBOARDS | PLASTERS |  
SPECIALTY CEILINGS AND WALL PANELS |  
INSULATION | CONSTRUCTION CHEMICALS

2  
POINTS



### RECYCLED CONTENT

HIGH PERFORMANCE GLASS |  
LACQUERED GLASS | FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS | PLASTERBOARDS |  
SPECIALTY CEILINGS AND WALL PANELS |  
INSULATION

2  
POINTS



### LOCAL MATERIALS

HIGH PERFORMANCE GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
LACQUERED GLASS | PLASTERBOARDS |  
PLASTERS | SPECIALTY CEILINGS AND WALL PANELS |  
VALUE ADDED GYPSUM PLASTERS |  
INSULATION | CONSTRUCTION CHEMICALS

1  
POINT



### HANDLING OF WASTE DURING CONSTRUCTION

HIGH PERFORMANCE GLASS | LACQUERED GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
PLASTERBOARDS | PLASTERS |  
SPECIALTY CEILINGS AND WALL PANELS | INSULATION

1  
POINT



### INNOVATION WITH LOW CARBON MATERIALS

LOW CARBON GLASS | LOW CARBON PLASTERBOARD |  
LOW CARBON PLASTERS

3  
POINTS



### DAYLIGHTING & OUTDOOR VIEWS

HIGH PERFORMANCE GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS

1  
POINT



### LOW EMITTING MATERIALS

HIGH-PERFORMANCE GLASS |  
LACQUERED GLASS | PLASTERBOARDS |  
PLASTERS | SPECIALTY CEILINGS AND WALL PANELS |  
INSULATION | CONSTRUCTION CHEMICALS

1  
POINT



### OCCUPANT WELL BEING FACILITIES

HIGH PERFORMANCE GLASS | LACQUERED GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
PLASTERBOARDS | PLASTERS |  
SPECIALTY CEILINGS AND WALL PANELS | INSULATION

1  
POINT



### OPTIMIZATION IN STRUCTURAL DESIGN

HIGH PERFORMANCE GLASS | LACQUERED GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
DRYWALLS | PLASTERS |  
CONSTRUCTION CHEMICALS

1  
POINT



### WATER USE REDUCTION FOR CONSTRUCTION

DRYWALLS & CEILING SYSTEM |  
PLASTERS |  
CONSTRUCTION CHEMICALS

3  
POINTS



### EXEMPLARY PERFORMANCE

HIGH PERFORMANCE GLASS | LACQUERED GLASS |  
FIRE RATED GLASS SYSTEMS |  
HIGH SECURITY GLASS SYSTEMS |  
PLASTERBOARDS | PLASTERS |  
SPECIALTY CEILINGS AND WALL PANELS |  
MOISTURE RESISTANT PLASTERS |  
HIGH COVERAGE PLASTERS |  
INSULATION | CONSTRUCTION CHEMICALS

# THE BUILDING - A 360° VIEW

SOLUTIONS FOR EVERY  
SURFACE AND SYSTEM

## PRE-CONSTRUCTION

Waterproofing Solutions

Concrete Repair Systems

Innovative Concrete Solutions

Industrial Flooring Solutions

Concrete Admixtures

Joint Sealants

Abrasive Wheels and Discs

Surface Treatments

Grouts

Anchors

## ENVELOPE

High Security Glass Solutions

Fire-rated Glass Solutions

Electrochromic Glazing

External Plasterboard

uPVC Windows

Sealants

Tile Adhesives

Railings

Glass Cutting Wheels



# INTERIORS

Decorative Gypsum Ceilings

Gypsum Plasters

Internal Tile Adhesives and Tile Grouts

Wall Coverings

Lacquered Glass

Mirrors

Privacy Glass

Acoustic Wall Panels

Shower Cubicles



Gyproc Habito  
Drywall with load  
bearing capacity

Gyproc Hydro  
Drywall with  
moisture & mold  
resistance

Gyproc Exterior  
Drywall with  
Glasroc X

Gyproc Gypsum  
Ceilings

Gyproc Drywall  
Quiet

Gyproc Gypsum  
Plaster with  
bonding agent



## SOLUTION SNAPSHOT



### FOUNDATION

▶ Advanced waterproofing systems and construction chemical solutions provide critical protection against moisture ingress and subsoil exposure - ensuring long-term durability and structural stability of foundations in hospitals. Polypropylene Geo Grid - Soil Stabilisation.



### SUPERSTRUCTURE

▶ Abrasives like - Cutting Wheels and Surface Finishing Discs for Metal, Wood, Concrete, Tile, and Wall, Sheets and Cloth Rolls, Core Bits, Drill Bits and Screw Bits, Additives, Cement Adhesives, Concrete Admixtures, Low Carbon Concrete, advanced concrete admixtures and low-carbon technologies improve density, reduce permeability, and enhance durability - supporting high-load structural performance and long-term reliability and contribute to the Structural Strengthening of hospitals.



### FACADES

▶ High-performance Low Carbon Glass (also in jumbo sizes), Vetrotech high-security glass system solutions, Weatherproof Exterior Drywall using Glasroc X, and High Performance Façade sealants and Surface treatments combine to deliver durable, weather-resistant, physically secure and energy-efficient façades for reliable Hospitals' performance. Automatic Sliding Doors & Spider Fittings support façade performance and structural durability. Glass Wool and Stone Wool for Curtain Wall, Stone Wool for Fire and Smoke Seal Applications. Glass Fiber Mesh for Plaster crack prevention.



### FLOORING

▶ High-performance floor screeds, tile adhesives, industrial flooring systems, and waterproofing solutions provide level, durable, and moisture-resistant surfaces - designed to withstand continuous movement, high abrasion, and consistent usage while ensuring slip safety and ease of maintenance. Glass Fiber Mesh for Screed Reinforcement.



## ROOFING

Integrated roofing systems, including waterproofing membranes, protective coatings, sealants, shingles and insulation solutions, deliver weather-tight and thermally efficient performance - ensuring long-term protection against environmental exposure in large-span hospital structures. Glass Wool and Stone Wool insulation for underdeck/ overdeck applications.



## SPECIALITY CEILINGS & WALL PANELS

Ecophon designer and acoustic ceilings for reception, consultation rooms, cafeteria etc. Fade® One Acoustic Plaster; Ecophon® Solo Acoustic Free Hanging Panels; Perforated Gypsum Boards ; Metlance™ Metal Architectural Ceilings; Ecophon® Glasswool Acoustic Wall ceiling panels; SG Anutone® Strand® Woodwool/ Salon® wooden perforated acoustic Ceilings and Wall Panels offer indoor acoustic comfort and design. Gyproc Fire Rated Plasterboard ceiling upto 120mins fire rating.



## INTERNAL WALLS & PARTITIONS

Gypsum Drywalls & Partitions for Dry & Wet Areas, Glass Partitions, Automatic Sliding Doors and Lacquered Walls, Modular Acoustic Pods, Glassfibre Wallcoverings, Gypsum Plaster for Walls and Ceilings, CURTIVIA fire curtains and Vetrotech fire-rated glass system solutions, and Fire-rated Plasterboards from Saint-Gobain Gyproc fortify the internal walls & partition systems of Hospitals. Acoustic window systems ensure noise control for focused environments. Sound and Fire Insulation for Drywall Partitions. Gyproc Drywall for Fire rating and complementation, Passive fire protection. Glass Fiber Dry Wall Tapes for Gypsum Board Joints. Glass Fiber Mesh for Plaster crack prevention.



## VENTILATION

Saint-Gobain CLIMAVER® duct systems offer lightweight, airtight, pre-insulated ducts with excellent thermal and acoustic performance for efficient ventilation of Hospitals. For added safety, fire-rated duct solutions can be installed. In addition, Tekbond Fire Rated PU Foam and Tekbond High Performance PU Foam are recommended for sealing duct penetrations effectively. Glass Fiber Insect Screens in Doors & Windows. Glass Fiber Technical Textiles for Passive Fire Protection.

# ENABLING MULTI COMFORT AND OCCUPANT WELLBEING

A space is a living environment that directly influences occupant multi comfort and wellbeing — a blend of Visual, Solar, Thermal, Acoustic, Indoor Air Quality and Safety. Explore Saint-Gobain solutions for multi-comfort.

Optimized SHGC Glass for Lesser Heat & Nil Glare

Superior Acoustic Drywall

Interior Planning & Spatial Layouts

No VOCs

Window Ratio, Location & Size

Low Thermal Conductivity of wall to Minimize Heat Gains

Pre-Insulated Duct System

Airtight Building Envelope

Skyline Ratio

Diffused Daylight

No Echo

Low Indoor Noise levels

More Usable Daylight Even in Deeper Spaces

Sound Privacy

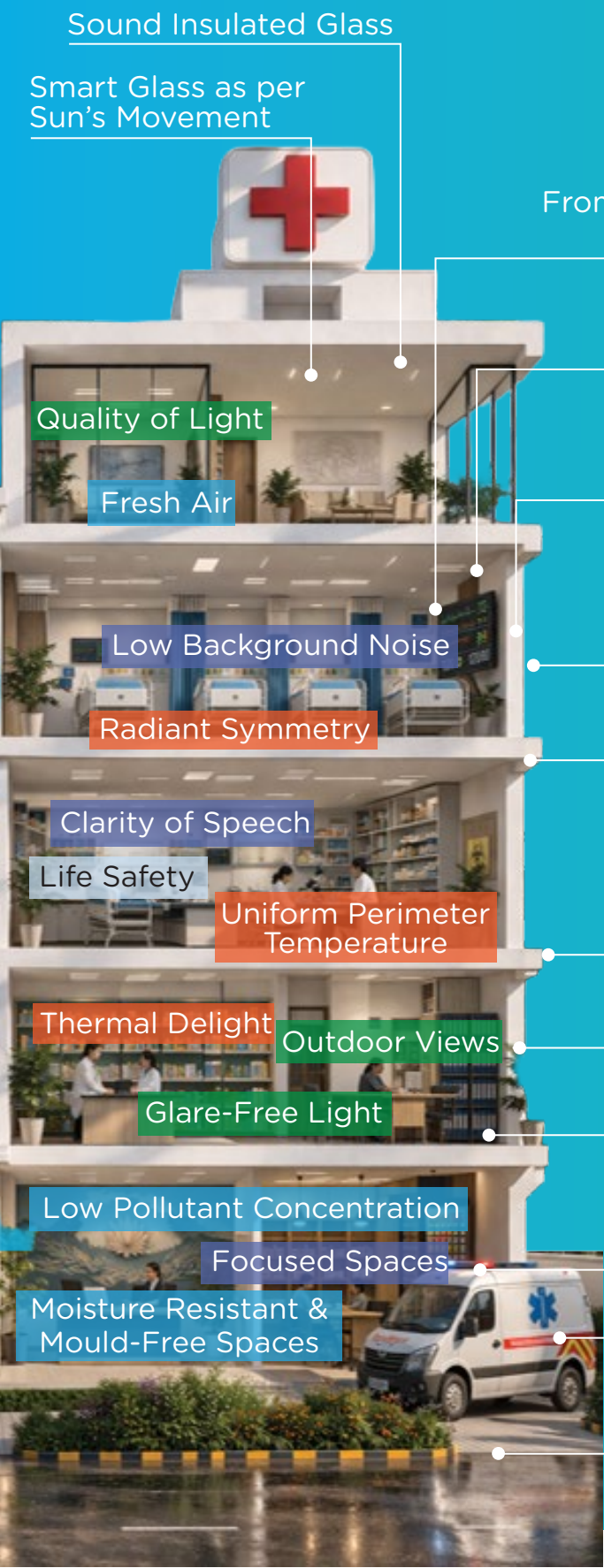
Indoor Environment Quality

Low Emitting Material

No Overheating Due to Envelope Heat Gains



- SOLAR/THERMAL COMFORT
- VISUAL COMFORT
- ACOUSTIC COMFORT
- INDOOR AIR QUALITY
- SAFETY



Sound Insulated Glass

Smart Glass as per Sun's Movement

From Internal & External Sound Sources

Reflective & Optimized Roof Conductivity

Quality of Light

Fresh Air

Sound Absorbing Ceilings and Wall Panels

Low Background Noise

Radiant Symmetry

Electrical Lighting Placement & Intensity

Glass with Optimised U-Value

Clarity of Speech

Life Safety

Uniform Perimeter Temperature

Orientation & Mutual Shading

Thermal Delight

Outdoor Views

Thermal efficient Exterior wall

Glare-Free Light

Long Term Sensor Based Monitoring

Low Pollutant Concentration

Focused Spaces

Air Filtration

Moisture Resistant & Mould-Free Spaces

Fire Curtains

Fire Rated and High Security Glass System Solutions

LIGHT AND  
SUSTAINABLE  
SOLUTIONS  
FROM  
SAINT-GOBAIN





## GLASS FOR FACADES

Aesthetics | Energy Efficient | Light Build



## DRYWALL & SPECIALTY CEILINGS

Light Weight | Acoustic Comfort



## GLASS FOR INTERIORS

Aesthetics | NIL VOCs | Light Build | Life Safety



## HVAC SYSTEMS & INSULATION

Thermal & Acoustic Comfort



## PLASTERS & CONSTRUCTION CHEMICALS

Lower Resources | Alternate to Sand Cement | Reduced Water Consumption

## COMPREHENSIVE PORTFOLIO OF CONSTRUCTION SOLUTIONS

Clear Glass

Tinted Glass

Mirrors

Solar Control Glass

Thermal Insulation Glass

Toughened Lacquered Glass

Fire Safety Glass System Solutions

Fire Curtains

UPVC & Aluminium Doors/Shower Cubicles

Electrochromic Glass

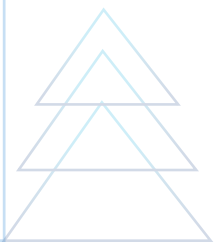
Privacy Glass

Railings

Hardware, Partitions, Pods

Wall Coverings

High Security Glass System Solutions



**Plaster Board Drywalls & Dry Lining Systems:**

- Dry Area Applications
- Wet Area Applications
- Shaft walls
- Fire Rated Walls
- Acoustic Walls
- Exterior Walls
- Heavy Impact Walls

**Ceiling System & Tiles**

- Architectural Metal ceilings
- Ceiling Tiles & Board (Gypsum)

**Gypsum Plasters**

- Value Added Plasters
- High Coverage Plaster
- Moisture Resistant Plaster
- Internal Applications, Accessories

**Metal Framing & Accessories**

**Jointing and Finishing Products**

**Gyproc Systems & Solutions**



**Acoustic Modular Ceiling**

Acoustic Free Hanging Panels

Acoustic Wall Panels

Acoustic Plaster



**Drywall Insulation**

Façade Insulation

Underdeck Insulation

Flexible Duct

Pre-Formed Pipe Sections

Acoustic Panels



**Drywall Insulation**

Overdeck Insulation

**Façade Insulation (Smoke Seal)**



**Pre-Insulated Duct System**



Sealants

Aerosols

Adhesives

Accessories



**Waterproofing Systems  
(basement to roof)**

Concrete Admixtures

Concrete Repair Systems

Protective Coatings

Industrial Flooring Solutions

Joint Sealants

Structural Adhesives

Cement Grinding Aids

**Surface Treatments:**

- Wide range of curing compounds
- Shutter release agents

**Anchors:**

- Chemical anchors for challenging construction needs

**Grouts (cement and resin-based anchoring systems)**

**FOSROC**



**Concrete Solutions:**

- Ready-Mix Concrete
- High Flow Concrete
- Low Carbon Concrete
- Integral Waterproofing
- Challenging Aggregate Solutions
- Self-Compacting Concrete (SCC)
- Underground Construction
- Curing Agents
- Precast (Wet/Dry)
- Demoulding Agents
- Lightweight Concrete

**Cement Additives:**

- Next Generation Activators
- Performance Activators
- Grinding Aids for Cement
- Masonry Additives
- Grinding Aids for Minerals

**Abrasive Solutions for Surface Preparation & Finishing**

- Metal, Wood, Concrete Cutting and Wheels and Discs
- Wall and wood surface finishing discs, sheets and cloth rolls
- Core bits, Drill bits and screw bits



**NORTON**

SAINT-GOBAIN

**Tile & Stone Adhesives:**

- Cementitious, Polymer Modified, Epoxy/PU Adhesives

**Tile & Stone Grouts:**

- Cementitious, Epoxy Grouts

**Tile & Stone Care:**

- Cleaners, Impregnators and Sealers

**Waterproofing:**

- Cementitious, primers, acrylic, Polyurethane waterproofing

**Wall Construction Solutions:**

- Adhesives for fixing AAC Blocks



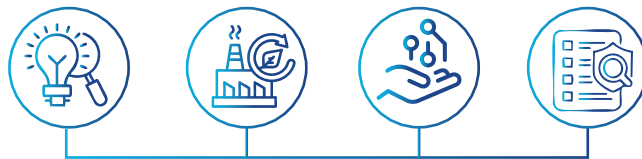
WHY  
PARTNER  
WITH  
SAINT-GOBAIN?





**Modern buildings demand solutions that minimise environmental impact while enhancing comfort, safety and efficiency.**

Saint-Gobain delivers this through a sustainability-led innovation, manufacturing, and specification ecosystem. This is powered by continuous R&D tailored to hot and humid climates. As one of India's largest green, energy-efficient plant networks, Saint-Gobain provides end-to-end specification support and a fully digitalised approach that drives efficiency, accuracy, and low-carbon outcomes.



Continuous innovation is driven by the Saint-Gobain Research India (SGRI), where deep insights fuel advanced material science and rigorous application testing; powering **next-generation, science-backed solutions** for the built environment.

Regional manufacturing ensures consistent availability, reduced logistics emissions and reliable timelines. This is strengthened by Saint-Gobain Research India (SGRI), advanced digital tools and expert technical teams that convert science and innovation into better-performing buildings.

**Expert-led advice** from a specialised technological group - Design Core, delivers end-to-end specification support, reinforced by accurate modelling and compliance guidance for safe, sustainable designs.

01

INSIGHTS > SCIENCE > SOLUTIONS  
END-TO-END DELIVERANCE



## INDIA'S EPICENTER FOR MAKING INSIGHTS A REALITY



▶ **Saint-Gobain Research India (SGRI) – India's largest private R&D centre for construction materials and solutions** is located at **IIT-Madras Research Park**. SGRI brings together materials scientists, simulation experts and building physicists working on **thermal behaviour, acoustics, daylight, solar control, lifecycle impact** and **material safety**.

Insights from this research ecosystem feed directly into the design of **glass, insulation, gypsum systems, ceilings** and **construction chemicals**.



▶ At SGRI, evidence becomes prototypes, **prototypes become validated assemblies**, and these lead to project specifications – ensuring every system not only meets regulatory thresholds but consistently exceeds them.



Lab testing for visual, solar, thermal, acoustic, fire etc.



Prototyping and pilot lines for Indian climatic conditions



Simulation-led development producing validated assemblies

**25+ LABS | 200+ PRODUCT LAUNCHES | 250+ SCIENTISTS | 280+ PATENTS**

**1 OUT OF 4 PRODUCTS SOLD TODAY  
IN INDIA DID NOT EXIST 5 YEARS AGO**

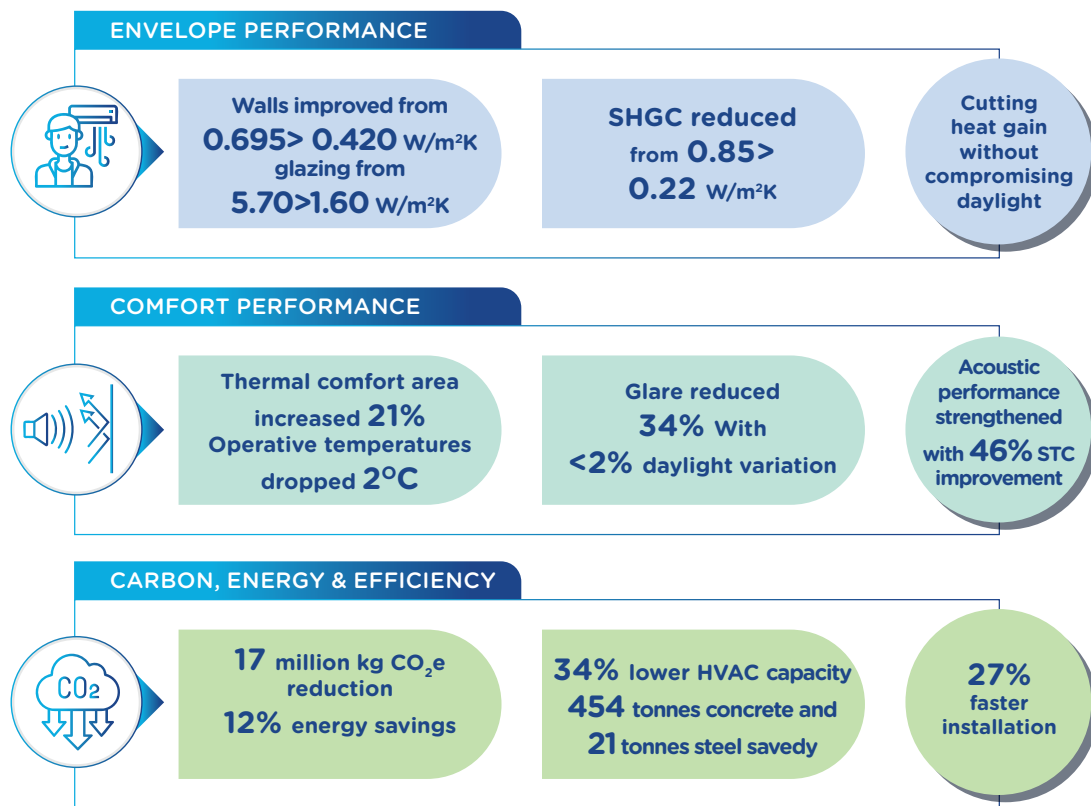
# 01A

FROM INSIGHTS  
TO MEASURABLE  
BUILDING PERFORMANCE





A comparative simulation of a Base Case vs. a Design Case using Saint-Gobain systems demonstrates the impact of material science on building outcomes.



The Design Case consistently surpasses compliance across thermal, solar, visual, acoustic and environmental metrics, delivering better comfort, lower energy demand, reduced embodied impact, faster construction and stronger lifecycle value.

## WHY THIS MATTERS

- 01** Direct access to research-backed products and validated assemblies reduces specification risk.
- 02** Regional manufacturing shortens supply chains and improves predictability.
- 03** Solutions are developed with decarbonisation targets in mind, helping projects meet regulatory and voluntary sustainability goals.

# 02

## MANUFACTURING EXCELLENCE: GREEN, REGIONAL AND RESPONSIBLE





**Saint-Gobain's India operations are built on the principles of combining scale, sustainability and localisation.**

### GREEN MANUFACTURING FOOTPRINT



Saint-Gobain operates an extensive network of plants across India, strategically located to reduce transport emissions and ensure material availability for regional markets. These facilities integrate renewable energy, waste heat recovery, water circularity and advanced monitoring systems to minimise environmental impact. These initiatives have led to a **34% reduction in Scope 1 and 2 emissions** from earlier baselines, amplified by sustained investments in electrification, fuel switching and process optimisation.

### LOCAL MATERIAL AVAILABILITY



Regional manufacturing ensures that high-performance glass, specialty ceiling tile, insulation, construction chemicals, waterproofing systems, gypsum boards and adhesives are available consistently across the country. This reduces lead times, stabilises project schedules and limits the carbon footprint associated with long-distance logistics.

### SUSTAINABLE MANUFACTURING PRACTICES



Across plants, waste reduction and circularity principles drive production. Glass cullet is recycled back into the float process; gypsum waste is reintroduced into plasterboard manufacturing; rainwater and treated wastewater increase water circularity.

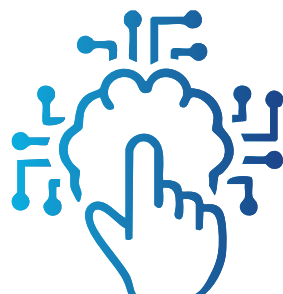
### WHY THIS MATTERS



- 01 Sustainable, regionally distributed manufacturing lowers embodied impacts while ensuring predictable supply.
- 02 This translates to reduced logistics emissions, consistent quality and dependable timelines, strengthening project certainty and supporting green-building objectives.
- 03 In large projects with compressed timelines, this alignment between production and proximity becomes a decisive advantage. Saint-Gobain's integrated model strengthens the sustainability credentials of every delivered product.

# 03

## DIGITAL TOOLS FOR PERFORMANCE DRIVEN DESIGN





Saint-Gobain's digital layer accelerates decision-making and reduces design risk. The company provides simulation and specification tools—Calumen/Calumen Live for glazing and performance evaluation is available to design teams for comparative glazing selection and performance modelling.

Calumen supports multi-parameter tradeoffs (U-value, SHGC, VLT, acoustic inputs) and produces outputs suitable for early design and final specification. Saint-Gobain also provides Tech Calc, a versatile engineering and technical calculation tool that simplifies complex mathematical and performance computations.

Tech Calc supports built-in thermal and energy-saving calculations for insulation systems, enabling accurate assessment of material efficiency. The platform automates complex formulas into clear, simplified outputs, reducing manual effort and improving reliability.

Beyond tools, Saint-Gobain offers BIM-ready content and technical integration pathways: from BIM objects to visualisers and specification packages. The firm's BIM capability has been developed over years to deliver interoperable models and data for use in collaborative project environments.

## WHY THIS MATTERS

- 01 Rapid glazing and envelope comparisons with project-specific data (via Calumen) reduce iteration time.
- 02 Built-in performance calculations with technical validation.
- 03 BIM objects and digital specs simplify handover and integration into design workflows.
- 04 Expert simulations (daylight, thermal, acoustic, wind) de-risk design choices and speed approvals.



# 04

DESIGN CORE:  
EXPERT-LED  
TECHNICAL AND  
SPECIFICATION  
SUPPORT





Design Core is a specialised technical group that works with architects, façade consultants, acoustic consultants and developers to refine design intent and specification.

The team supports:

- 1 Daylight & glare analysis
- 2 Thermal performance and thickness optimisation
- 3 Wind load checks for façades
- 4 System Testing, BIM-Revit Modeling/Families
- 5 Acoustic modelling for partitions and ceilings
- 6 Fire and code compliance guidance
- 7 Concrete Technology (CT) Support

Inputs from Design Core allow projects to validate decisions early, ensure compliance with NBC, ECBC and green frameworks, and document data for IGBC, GRIHA and LEED evidence packages.

## DIGITAL ASSURANCE ACROSS THE LIFECYCLE

From concept modelling to final specification and site validation, digitalisation ensures that performance assumptions are not lost through the construction process.

The integration of BIM, software tools, analytics and on-ground technical support creates continuity from design to delivery.

## WHY THIS MATTERS

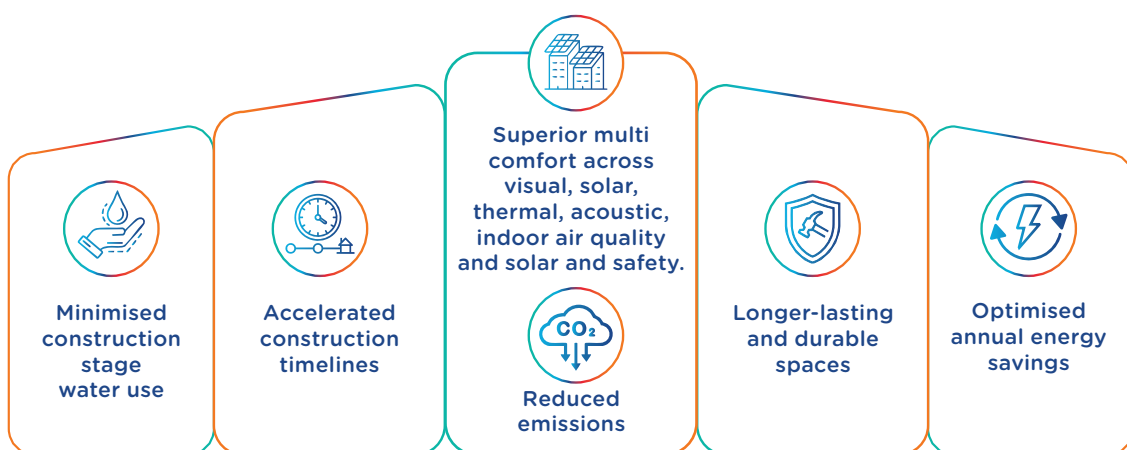
- 01 Early-stage concept modelling (daylight, thermal, acoustic).
- 02 Advanced simulation, reliable manufacturing and precise specification support give projects a partner that understands performance not as a claim but as a measurable, science-backed outcome — helping create offices that are efficient, comfortable and ready for the future.





# MULTI COMFORT AND OCCUPANT WELLBEING, DELIVERED IN A LIGHT AND SUSTAINABLE WAY.

Saint-Gobain's light and sustainable construction systems deliver tangible value across the entire building lifecycle — reducing impact, enhancing comfort and improving performance where it matters most.



A smarter way to build — lighter on resources, stronger in performance and ready for the future.

Saint-Gobain: Delivering multi comfort and occupant well-being in a light and sustainable way.



**MIG DENTAL CLINIC**  
CHENNAI  
TOUGHENED  
LACQUERED GLASS



**MOTHERHOOD**  
BANGALORE  
DRYWALL & CEILING  
SOLUTIONS



**WELCARE HOSPITAL**  
KERALA  
TOUGHENED  
LACQUERED GLASS

# EXPLORE OUR OFFERINGS ACROSS OTHER SEGMENTS:



**AIRPORTS**



**COMMERCIAL**



**DATA CENTERS**



**EDUCATIONAL**



**HOSPITALITY**



**RESIDENTIAL**





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