

# ARCHITECT & INTERIOR DESIGNER GUIDE TO SMART GLASS & SMART FILM

Transforming Design Possibilities

## SPECIFICATION GUIDE:

Comprehensive technical data and support available.



## DESIGN FLEXIBILITY:

Shape and size customizable to any design intent.



## AESTHETIC INTEGRATION:

Blends seamlessly with modern and traditional finishes.



## SUSTAINABILITY GOALS:

Contributes to LEED/BREEAM and energy efficiency.



## SPACE OPTIMIZATION:

Reduce bulky partitions and maximize floor area.



Review  
Technical Data



ELEVATE YOUR  
PROJECTS & REQUEST  
A DESIGN KIT

# WHAT IS SMART GLASS & HOW DOES IT WORK?

## FROSTED MODE



Instant privacy achieved

## ELECTRICAL SIGNAL



PDLC technology activated

## CLEAR MODE



Glass is fully transparent

The transformation is instantaneous

# WHERE CAN SMART GLASS & FILM BE IMPLEMENTED



**SHOWROOMS**



**HOSPITALS**



**BOARDROOMS**



**PARTITIONS**



**RETAIL**



**HOTELS**



**LIVING ROOMS**



**PATIO DOORS**



**BATHROOMS**

# INSTALLATION TIMELINE



From consultation to hand over schedules are aligned with complexity and workload requirements, typically spanning from 1 day to 4 weeks.

# CONTROL OPTIONS FOR SMART GLASS & SMART FILM



**Wall  
Switch**



**Remote  
Control**



**Mobile  
App**



**Smart Home  
System**

# SMART GLASS ENERGY EFFICIENCY



Reduces solar  
heat gain



Blocks 99%  
of UV rays



Improves  
occupant  
comfort



Reduces cooling  
& energy costs

# SMART GLASS vs BLINDS

## SMART GLASS



Clean modern  
seamless  
architectural



Instant  
switching



Hygienic  
surface

## BLINDS



Manual  
control



Dust  
collection



Regular  
maintenance



# SMART GLASS VS SMART FILM

## Smart Film



Lower cost



Retrofit  
install



Flexible  
solution

## Smart Glass



Premium  
investment



Built-in  
design



Long-term  
value

# CAN SMART FILM & SMART GLASS BE INSTALLED IN BATHROOMS?



## SHOWER & BATH ENCLOSURES

Yes! Smart Glass panels form ideal framless or semi-frameless enclosures. Use to light to sparate spaces. Control steam with easy to-clean glass.



## BATHROOM WINDOWS

Absolutely, Smart Film retrofits to existing windows. Maintain natural light wif preventing visibility from outbate. Eliminate. Eliminate the need for curtains or blinds.



## PARTITIONS & ENTRANCE DOORS

Create stunning partitions between the toilet and tub, tub, or use as the primary bathroom door. Instant visual privary when or in-use.



## SAUNAS & STEAM ROOMS

Our Smart Glass panels are designed to withstand high huminiity hunnidity and temperature variations (reference to the website). Perfect for high- and sauna design.



## MAINTENANCE & HYGIENE

Non-porous, smooth surfaces are havreally highly higienic and easy to clean with standard glass cleaner. Inhibits mold and mildew growth.



## SAFETY & WATERPROOFING

Wet-rated installations. Electrical components are sealed and isolated. Low lovtage (12V-48V) controls safe operation near water. (Reference websity details).



VISIT OUR BATHROOM SOLUTIONS PAGE FOR MORE DETAILS

[www.smartglassinnovations.co.uk](http://www.smartglassinnovations.co.uk) | Your Journey to Bathroom Innovation Begins Now

# COMMON DIY SMART FILM INSTALLATION MISTAKES & HOW TO AVOID THEM

## THE DIY APPROACH (RISKS)



### POOR ALIGNMENT & BUBBLES

Inaccurate placement leads to misalignment and trapped air.



### CREASES & DEEP SCRATCHES

Handling mistakes can cause irreversible damage during application.



### ELECTRICAL CONNECTION ISSUES

Difficult to wire correctly without professional expertise; risk of failure.



### LIMITED WARRANTY

No official installation warranty; personal liability for all issues.



## PROFESSIONAL INSTALLATION (BENEFITS)



### PERFECT ALIGNMENT & CLARITY

Precision application for a seamless, distortion-free finish.



### SMOOTH APPLICATION

Damage-free handling ensures long-term product integrity.



### EXPERT WIRING & POWER

Properly integrated wiring for flawless electrical performance.



### COMPREHENSIVE WARRANTY

Manufacturer and installation warranties provide complete peace of mind.



TRUST THE INNOVATORS FOR A PERFECT INSTALLATION. CONTACT US TODAY!

[www.smartglassinnovations.co.uk](http://www.smartglassinnovations.co.uk)

# COMMON MISTAKES IN SMART GLASS PROJECTS

1



## IMPROPER ELECTRICAL SPECIFICATION

- Mismatch with transformer requirements.

2



## INCORRECT EDGE SEALING

- Causes lamination delamination.

3



## OVERLOOKING UV EXPOSURE

- Affects long-term performance.

4



## POOR INSTALLATION TIMING

- Installation during active trades creates risk.

5



## IGNORING MAINTAINABILITY

- Lack of access to junction boxes.

6



## UNDERESTIMATING LEAD TIMES

- Impacts overall project schedule.

# TYPICAL UK COSTS FOR SMART GLASS & FILM INNOVATIONS

All prices are illustrative estimates and vary by project details.

## RETRORIT SMART FILM (SELF-ADHESIVE)



Smart Film per sq. meter  
e.g., £80 - £200

Installation per panel:  
e.g., £150 - £300

## SMART GLASS (NEW LAMINATED GLASS)



Laminated Smart Glass per  
sq. meter: e.g., £500 - £900

Double Glazed Unit upgrade  
e.g., +£150 - £350 (over standard)

## COMPONENTS & ACCESSORIES



Smart Glass  
Transformers  
e.g., £100 - £300

Control Systems  
& Remotes  
e.g., £80 - £250

## KEY COST FACTORS



Area Size



Panel Shape  
(Curved/Irr.)



Project Location  
(UK-wide variations)



Cable Routing  
(Complexity)

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\*Estimates exclude VAT and delivery. Specific quotes are required.\*

# SMART GLASS: MAINTENANCE, CARE, AND LONG-TERM VALUE

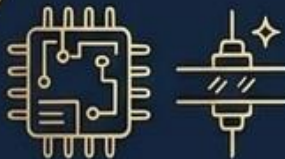
1



## DAILY CARE

Use lint-free cloths for cleaning. Avoid abrasive or ammonia-based cleaners.

2



## ELECTRICAL CHECKS

Ensure periodic inspection of power supplies and connections. Maintain dry conditions for junction boxes.

3



## ENVIRONMENTAL FACTORS

Control temperature and humidity to prevent long-term film delamination. Monitor for direct, excessive UV exposure.

3



## INVESTMENT

- Prevents fading of interior furnishings. Enhances property market value.

4



## INVESTMENT PROTECTION

- Prevents fading of interior furnishings. Enhances property market value.

5



## LOW OPERATIONAL COSTS

- Minimal energy consumption. Contributes to long-term operational savings.

6



## PRODUCT WARRANTY

- Verify manufacturer's warranty terms for film, glass, and control units. (Contact for details)

# SMART GLASS INNOVATIONS



Your Trusted Premium Partner