

# glow<sup>®</sup>

Heated Glass by Tuffx



PRODUCT RANGE BROCHURE

GLOW IS A TUFFX REGISTERED BRAND

**MADE IN BRITAIN<sup>®</sup>**

GLOW HEATED GLASS BY TUFFX | REDEFINING COMFORT AND EFFICIENCY

 **MADE IN BRITAIN**®



"AMIDST THE WINTER'S CHILL,  
THERE'S A WARMTH WITHIN  
THAT RADIATES FROM THE  
WINDOW. OUTSIDE WORLD  
TURNS INTO A PICTURESQUE  
WINTER WONDERLAND,  
INSIDE WE ARE COSY AND  
SERENE"

**glow**®  
Heated Glass by Tuffx

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 **MADE IN BRITAIN**®

FEEL THE WARMTH  
FOR YOURSELF.



**FREE DEMO!**  
AT OUR SHOWROOM

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01.

# THE BENEFITS OF RADIANT HEAT

FEEL THE WARMTH FOR YOURSELF.

REQUEST A **FREE DEMO!**

email us at [sales@txpro.co.uk](mailto:sales@txpro.co.uk) with the subject "Glow free demo"

or call us at 0845 3400 200



**FUTURE HOMES STANDARD**  
FUTURE HOMES STANDARDS COMPLIANCE



**SPACE SAVING**



**EFFICIENT HEATING**



**ANTI CONDENSATION PROPERTIES**

1

One of the biggest radiant heat advantages is its energy efficiency. Radiant heat systems heat your home using significantly less energy than other heating methods. This kind of efficiency makes them much sustainable than traditional heating methods and helps minimise your carbon footprint.

2

Energy bill savings. People who upgrade to energy-efficient radiant heating systems like GLOW Heated Glass report saving anywhere from 25% to 50% on their monthly energy bill.

3

If you heat your home with radiators, switching to radiant heat will create floor space giving you more flexible options for furniture placement. Best of all, you can ditch your unsightly radiators for something more aesthetically pleasing and naturally gives natural daylight to a room.



## 02. UNLOCKING THE ADVANTAGES OF GLOW



### Condensation

Dramatically reduces condensation thereby preserving an uninterrupted view.



### Space saver

The solution is invisible unlike traditional radiators or plug in fires.



### Environmentally friendly

GLOW Heated Glass emits less carbon than traditional heating systems.



### Cost of installation

Installation cost is cheaper than traditional heating methods such as underfloor heating, radiators.



### Maintenance free

Unlike some heating systems that require regular service intervals GLOW requires no ongoing maintenance.



COMFORT  
CONVENIENCE  
SUSTAINABILITY

03.

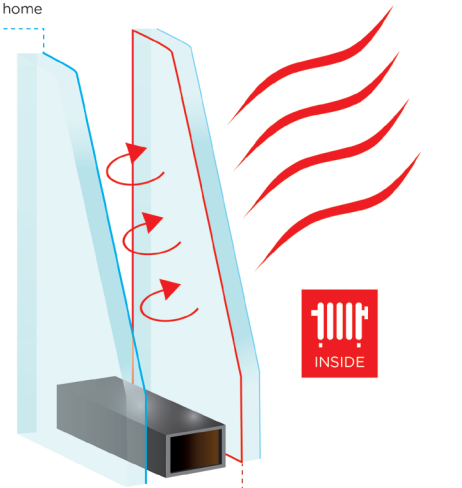
# TECHNICAL DETAILS

**GLOW Heated Glass is a specialist glazing that has a conductive coating which generates heat when an electrical current passes through it.**

This pioneering product can be used as a sole heating source for heating a room, or as an additional heating source for places where extra heating is required e.g., extensions and conservatories etc.

GLOW Heated Glass has been designed specifically to emit radiant heat rather than convection heat as used in traditional radiators. Radiant heating solutions have many benefits as it heats people and objects unlike convection that heats space.

Thermally efficient coating prevents the generated heat escaping by reflecting it back into the home



The integrated and invisible heating glass solution radiates heat into the home



# TECHNICAL SUMMARY

- Connects direct to mains 240v supply
- Output 300 - 360W per leaf\*
- Running costs £0.09/hr per leaf\*\*
- Infrared heat technology
- Future Homes Standard 2025 compliant
- Low carbon heating solution
- Conforms to EN-12150 / EN14449
- Manufactured in the UK

\* Dependent on pane size

\*\* Based on electricity price of 25p/kWh



## TEMPERATURE CONTROL:

The temperature of GLOW heated Glass like other primary heating sources is thermostatically controlled.

This helps maintain a consistent temperature by turning the glass on and off as needed. This can reduce energy consumption and wastage and lead to lower utility bills.



## HOURLY COST TO RUN:

The average hourly cost is around 9p per Bifold door.

Therefore, as an example a 3 door Bifold configuration running for 5 hours per day will cost around £1.35. (Based on an electricity cost of 25p/kWh)



## HOW TO INSTALL:

GLOW Heated Glass DGU's are glazed in a similar fashion to conventional DGU's.

However, we recommend the electrical connections are carried out by a qualified electrician with the product conveniently designed to connect direct to your 240v home mains supply making installations easier and hassle-free.

04.

# BI-FOLDING DOORS GLASS PANELS

**Installing the GLOW Heated Glass bi-folding doors ensures that the room offers great thermal comfort, while still enabling natural light and outdoor views.**

The electrically heated glass units are thermostatically controlled creating ambient temperatures which are perfect for installation in Bi-folding doors reaching glass surface temperatures of 35-40°C.

For the first time a realistic alternative to radiators, electric fires or under floor heating systems is available either as the main or an additional source of heating for your home.

Available in a range of opening configurations and colours which can fold inside or out, to suit any household.

Installation costs for GLOW Heated Glass are lower than underfloor heating or traditional radiators, making it a more affordable option for consumers. It is controlled via a wall mounted thermostat, offering convenience and ease of use for homeowners.

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FEEL THE WARMTH  
FOR YOURSELF.

REQUEST A  
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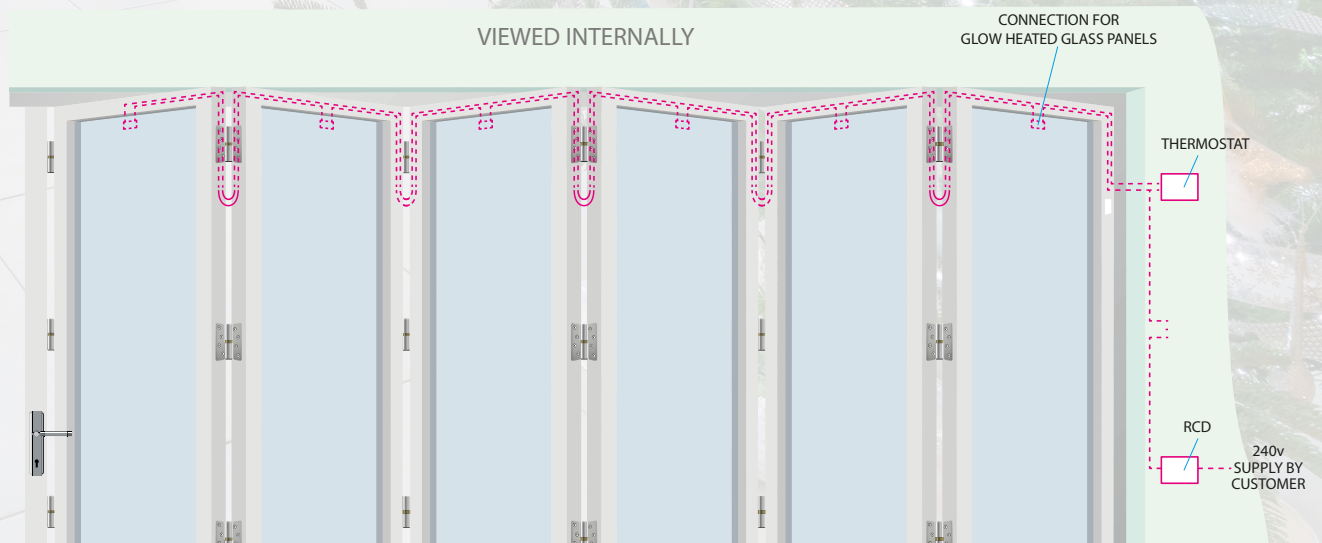
email us at [sales@txpro.co.uk](mailto:sales@txpro.co.uk)  
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# HOW IT WORKS DIAGRAM



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05.

# ROOF INFILL GLASS PANELS

Installing the GLOW Heated Glass Infill Panels in the roof structure ensures that the room itself is exposed to a great deal of natural light, benefit areas with high traffic, such as a kitchen or family room/communal area.

Installing GLOW Heated Glass Infill Panels means that the glass roof will not only illuminate the space throughout the day but will also be the radiant heat source for the space in the colder months, realising savings on energy usage for the bill payer.

The thermal performance of the GLOW Heated Glass system is paramount. With an emphasis on retaining heat efficiently, our glass boasts impressive U Values as low as 0.7m<sup>2</sup>/K. Ensuring optimal warmth without the risk of overheating, GLOW provides a cozy and comfortable environment for your space.

GLOW Roof Infill Panels are a space-saving heating solution. No wall radiators needed GLOW Heated Glass is the perfect choice for those looking to transform their living space with natural light, whilst also enjoying the benefits of thermal comfort during colder months.

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ROOF INFILL  
HEATED  
GLASS PANELS

MADE IN BRITAIN<sup>®</sup>



GLOW Heated Glass for  
Roof Infill Glass Panels



GLOW Heated Glass for  
Roof Infill Glass Panels

05.

# ROOF INFILL HEATED GLASS PANELS



## DOESN'T THE HEAT RISE AND ESCAPE?

**No. Unlike conventional heating sources, radiant heat from the roof structure, effectively warms people and objects rather than just heating the surrounding space.**

The GLOW radiant form of heating is much more comfortable than the convected heat provided by radiators which draws cold air across the floor before heating it and then convects the warm air upwards towards the ceiling.

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06.

# FAQ'S

## **What is GLOW Heated Glass?**

GLOW Heated Glass is the latest innovative technology to take the glazing industry by storm. It is a specialist glazing that has a conductive coating which generates heat when an electrical current passes through it. This pioneering product can be used as a sole heating source for heating a room, or as an additional heating source for places where extra heating is required e.g., extensions and conservatories etc.

## **What are the benefits of GLOW Heated Glass ?**

This innovative new heating solution offers numerous benefits:

- Space saver – The solution is invisible unlike traditional radiators or plug in fires.
- Condensation – Dramatically reduces condensation thereby preserving an uninterrupted view.
- Environmentally friendly – GLOW Heated Glass emits less carbon than traditional heating systems.
- Cost of installation – Installation cost is cheaper than traditional heating methods such as underfloor heating, radiators.
- Maintenance free – Unlike some heating systems that require regular service intervals GLOW Heated Glass requires no ongoing maintenance.

## **How efficient is GLOW Heated Glass?**

GLOW Heated Glass has been designed specifically to emit radiant heat rather than convection heat as used in traditional radiators. Radiant heating solutions have many benefits as it heats people and objects unlike convection that heats space. As an example, radiant heat is what makes sunshine feel warm on your skin.

## **Where is GLOW Heated Glass typically used?**

GLOW Heated Glass is an ideal glazing option for Bifold doors as a primary heating solution for your designated room.

## **Can you control the temperature of GLOW Heated Glass?**

The temperature of GLOW Heated Glass like other primary heating sources is thermostatically controlled. This helps maintain a consistent temperature by turning the glass on and

off as needed. This can reduce energy consumption and wastage and lead to lower utility bills.

## **What is the maximum temperature?**

Dependent on outside temperatures the maximum glass surface temperature is up to 35-40c. This is below Safe to Touch Industry standards of 43° making it an ideal and safe heating solution within the home.

## **How much does GLOW Heated Glass cost to run?**

The average hourly cost is around 9p per Bifold door. Therefore, as an example a 3 door Bifold configuration running for 5 hours per day will cost around £1.35.

\*Based on an electricity cost of 25p/kWh

## **Is GLOW Heated Glass difficult to install?**

GLOW Heated Glass DGU's are glazed in a similar fashion to conventional DGU's. However, we recommend the electrical connections are carried out by a qualified electrician with the product conveniently designed to connect direct to your 240v home mains supply making installations easier and hassle-free. We also provide a comprehensive installation guide with each order.

## **Is GLOW Heated Glass a look into the future of home heating solutions?**

Yes traditional radiators and gas boilers have been recognised as inefficient and not environmentally friendly by the Government as part of their 2025 Future Homes Standard initiative. In its current format gas boilers and therefore radiators will be banned in new build houses by 2025.

GLOW Heated Glass with its many benefits will conform to this new legislation.

  
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GLASS MANUFACTURERS

**HEATED GLASS BROCHURE**

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