



INNOVATION  
COMES  
BUILT-IN

Uni-Blinds®

BRINGING  
GLAZING

to life

*Morley*  
GLASS & GLAZING LIMITED



**INNOVATION  
COMES BUILT-IN**

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## MORLEY – BRINGING GLAZING TO LIFE

Morley Glass and Glazing are the UK's largest distributor of venetian & pleated blinds permanently sealed within a double glazing unit. Uni-Blinds® is a highly innovative system and offers many benefits, both aesthetically and practically, making them the preferred choice of style-conscious home owners.

We have been successfully supplying this system for many years and are the only UK company to manufacture the pleated (Plissé) system in-house, enabling us to offer an unbeatable five working day lead time. The lead time for venetian style Uni-Blinds is ten days from receipt of order. The Uni-Blinds system is designed for both domestic and commercial installations and is particularly suitable for bi-folding doors and windows.

Uni-Blinds venetian and pleated blinds are manufactured to the highest standards and specifications and once sealed in the dust-free environment of the glazing cavity will require no cleaning, always appear new and are protected from damage.

BEING PERMANENTLY SEALED **WITHIN** THE CAVITY OF THE DOUBLE-GLAZED UNITS MAKES UNI-BLINDS UNRIVALLED IN THE CONTROL OF LIGHT AND SHADE, AND THE ONLY VIABLE OPTION FOR LIGHT CONTROL IN BI-FOLDING AND SLIDING DOORS. BEING BUILT-IN ALSO MAKES THEM ONE OF THE SAFEST BLIND SYSTEMS AVAILABLE\*

\*Window blind cords and chains can pose a risk for babies, children and vulnerable people who could injure or even strangle themselves on the hanging looped cords. This potential problem is eliminated by the use of Uni-Blinds, as the blind is inside the double-glazed unit, so effectively away from any misuse or danger. In our corded systems we use an external continuous cord loop that is held permanently against the glass, eliminating any chance of the cord hanging in a loose loop which could be dangerous.



Available in a range of colours:

S102

S106

S125

S130

S142

S149

S155

S156

S157



# 1 CONCEPT: 4 CONTROL SYSTEMS

## C System - Magnetic Control

The ScreenLine® system, designed with the rotational, frontal, magnetic control for raising and tilting a blind integrated within a double-glazed unit, utilises the force produced by two coupled, rotational, magnetic devices



## M System - Motorised

The ScreenLine SL20-22M and SL27M is a significant improvement on previous electrical systems used for raising/lowering and tilting blinds



## F System - Solar Powered

The ScreenLine SL20-22F is a battery operated, motorised blind system. With this system, a venetian or pleated blind encapsulated within a double-glazed unit can be raised or lowered via a control device attached to the window or, more comfortably, by remote control

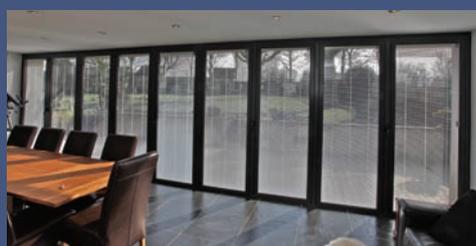


## S System - Slider

The ScreenLine SL20S is a manual system comprising a 14mm pleated blind integrated within a double-glazed unit with 20mm cavity



blinds open



blinds partially closed



blinds fully closed



**DELIVERED EXCLUSIVELY  
WITHIN 10 WORKING DAYS**

- Suitable for all vertical window applications
- Ideal solution for conservatory shading
- Total privacy and light control for folding sliding doors
- Gives excellent utilisation of partitioned office space
- Suitable for retro-installation into existing frames



# c system

## MAGNETIC: MANUALLY CONTROLLED LIGHT AND SHADE

The SL20C system is manufactured in accordance with the highest technical specifications and production standards.

The slat raising, lowering and tilting function is achieved using a rotational magnetic transmission through the glass thereby guaranteeing the unit's hermetic seal.





**DESIGNED TO MAXIMISE  
YOUR OPTIONS FOR LIGHT  
AND SHADE CONTROL**



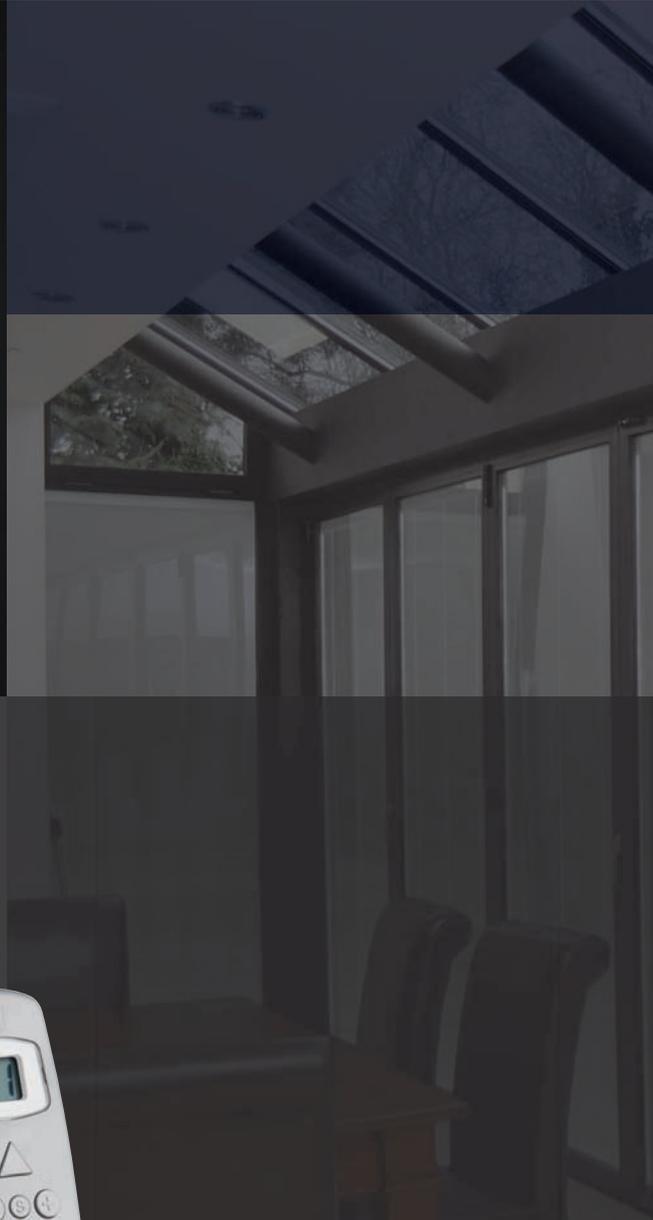


# c system

The external magnet, fixed to the internal glass by double-sided high performance adhesive, allows perfect alignment with the internal magnet.

Raising and lowering is controlled using a continuous cord loop that drives the external magnet. The cord is held lightly under tension by a cord tensioner. Other controls are available which include rotational knob or wand on the glass, directly below the external magnet.





## PRECISION BUILT, PRECISION CONTROLLED

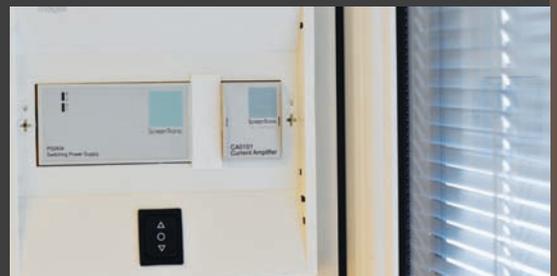
The Uni-Blinds SL20-22M and SL27M system is a significant improvement on previous electrical systems used for raising/lowering and tilting blinds integrated within a 20, 22 and 27mm cavity double-glazed unit.

The improvements result in quicker installation procedures and a safer and smoother operation within the hermetically sealed unit.

The motorised venetian or pleated blind has an internal motor integrated within the blind head-rail and incorporates a micro-control unit plus encoder, which allows simultaneous, synchronized movement of groups of blinds.



Control at your fingertips

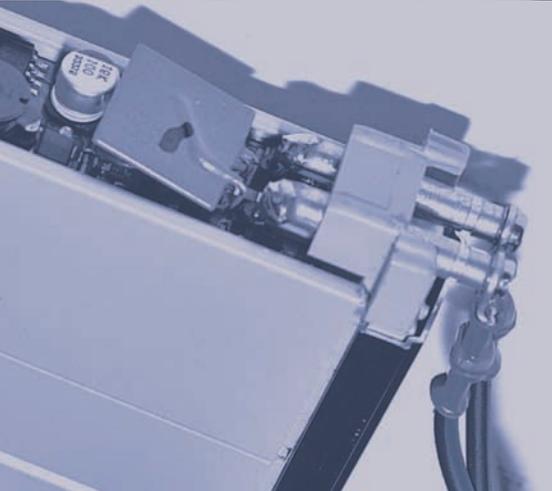


Morley Glass has developed a unique control box for motorised blinds which eliminates installation issues and provides an aesthetically pleasing solution for control at your fingertips.

# m system



Manufactured from high quality materials, coupled with technical excellence and an aesthetic appearance, this system is particularly suited to prestigious projects.



**SOLAR POWERED  
ECO-FRIENDLY  
SIMPLICITY**



The SL20-22F is powered and charged via an external solar panel.

**Benefits are:**

- Energy saving
- Hard-wired power supply not required
- No need for electrician to install
- Operate individually or all together with R/C



# f system

The latest in innovative and ecological Italian design, the SL20-22F is a battery operated, motorised blind system utilising venetian or pleated blinds, encapsulated within a 20-22mm cavity double-glazed unit.

The encapsulated blind is raised and lowered, and in the case of the venetian blind, slat-tilted via a discreet push button control which is magnetically attached to the double-glazed unit. The system is powered by standard long-life rechargeable batteries and is supplied with a cleverly designed battery charger. A remote control option is also available.

As well as private and residential situations this system is particularly suited to commercial installations such as medical and educational environments, offices, schools and colleges.





Available in a range of colours:

verisol fabric



Colours are for illustration purposes only.  
Colour swatches available on request.

# WE MANUFACTURE AND DISTRIBUTE NATIONWIDE WITHIN 5 WORKING DAYS

Our exclusive contract to manufacture integral pleated C and S System Uni-Blinds in the UK, gives us the unprecedented capability to manufacture and distribute nationwide within five working days.

Our operatives have been trained in Italy to manufacture this leading-edge product to the exacting standards required.



# c & s plissé

## PLEATED BLINDS: A HIGH PERFORMANCE ALTERNATIVE

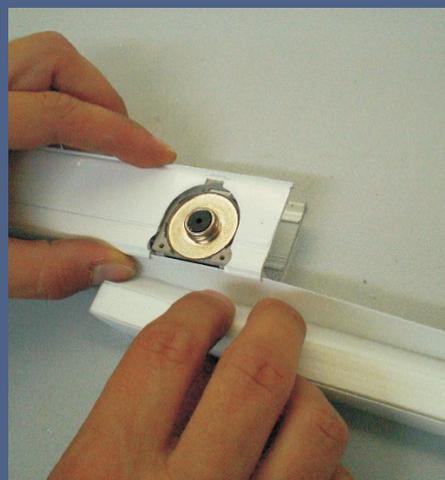
The SL20C/S pleated blinds are designed for use in double-glazed units and are manufactured in accordance with the highest technical specification and production standards.

The blinds are operated via rotational magnetic transmission through the glass, thereby guaranteeing the unit's hermetic seal.

The external magnet is fixed to the internal glass with high performance adhesive allowing for perfect alignment with the internal magnet.

Raising and lowering of the C System Plissé blind is controlled using an external continuous cord loop sited at either the left or right-hand side of the unit.

The S System Plissé blind utilises a centrally placed roller magnet which makes this particular blind the ideal choice for situations where horizontal operation is required.





# OPENING MINDS AND HOMES TO INTELLIGENT GLASS

## TECHNOLOGICAL ADVANCES AND TRUE INNOVATION MATERIALISE IN THE BEST SEALED AND DOUBLE GLAZED WINDOW, DOOR AND CONSERVATORY UNITS AVAILABLE TODAY: ENHANCING THE PERFORMANCE OF THE UNI-BLIND RANGE.

SGG EcoClear®+ double glazed units are the most technically superior glazing solutions available today. Their thermally insulating glass technology means windows can achieve the highest possible Window Energy Ratings (WERs), as verified by the British Fenestration Rating Council (BFRC).

By choosing windows filled with EcoClear+ you have peace of mind knowing that you are working to help safeguard the environment by reducing CO<sub>2</sub> emissions and that you are keeping your energy bills down.

The optimum amounts of the sun's energy is able to pass through the glass into the room, allowing your home to benefit from free solar heat gain.

Using advanced coating technology that will last the lifetime of the window, EcoClear+ also reflects the heat inside your house back into the room rather than allowing it to escape. Both features reduce or eliminate the need for additional heating and contribute towards savings on your energy bills.

With cutting-edge glass technology from the worldwide Saint-Gobain Group, EcoClear+ offers over three times more thermal insulation than single glazing and more than 25% better insulation than post 2002 double glazing.

With EcoClear+ a typical semi-detached house could save £7,500 over a 20 year period. To find out how much you could save on your bills, visit: [www.ecoclearbymorleyglass.co.uk](http://www.ecoclearbymorleyglass.co.uk) and use the Energy Savings Calculator.

Overall Window  
Energy Rating

Thermal insulation  
(typical window u-value)  
lower the better

Optimum solar  
heat gain

Virtually eliminates  
internal condensation

Natural light

Old-fashioned, thermally-insulating glass

SGG PLANITHERM® TOTAL PLUS



The difference is clear using Planitherm® Total Plus - the ultimate thermal performance without any detriment to the clarity of the glass.

# LIVING COMFORTABLY WITH THE ENVIRONMENT

EcoClear+ double glazing	2002-2010 double glazing	Pre 2002 double glazing	Single glazing
A-C	E	G	G
1.4	2.0	2.6	4.6
3	3	7	7
3	7	7	7
3	3	3	3

EXCELLENT ■ GOOD ■ POOR ■

- Highest-performing energy efficiency
- Maximises the amount of natural light into your home, with no haze or tint effects
- Achieve an energy rating of A, B or C easily and cost effectively with practically every window frame to conform to, or exceed, current Building Regulations.
- Virtually eliminate internal condensation and reduce draughts and cold spots by using advanced glass and 'warm edge' spacer bar technology.





# SEE THE POSSIBILITIES, FEEL THE BENEFITS, WITH YEAR-ROUND COMFORT

## Conservatory glass for year-round comfort

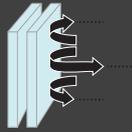
Getting the most out of your conservatory, orangery, garden room or sunroom is a crucial consideration when deciding on the specification of both the roof and the sidewalls.

Your choice of glass product is the single most important factor in cost-effectively controlling the climate inside your conservatory, along with other essential factors such as aesthetics, maintenance and longevity.

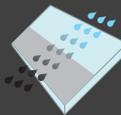
The range incorporates three different options for the roof, including SGG ClimaControl™ Aqua - the highest performing, flagship product and a clear sidewall product - SGG ClimaControl™ Vertical - for both performance and clarity.



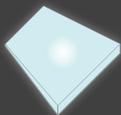
HEAT REFLECTION (%)



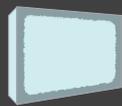
THERMAL INSULATION (W/m<sup>2</sup>k)



PERMANENT SELF-CLEANING



GLARE REDUCTION (%)



VIRTUAL ELIMINATION OF CONDENSATION

**Heat reflection:** measured by taking the opposite or inverse of the glazing solar factor. Solar Factor is the percentage of the total solar radiant heat energy entering the room through the glass. Reflects up to 78% of the sun's heat, keeping the conservatory up to 9°C cooler in the summer.

**Thermal insulation:** a measure of the rate of heat loss through the glazing. A principle reason for installing energy efficient glass, the lower the u-value the better the glass is at retaining heat. 63% better insulation than standard glass, keeping you warmer in winter and saving you money on your heating bills.

**Self-cleaning glass:** the self-cleaning coating is fully integrated into the surface of the glass ensuring its permanency. In a process called 'catalysis' the coating uses UV rays from the sun to break down organic dirt and turns the surface hydrophilic. Rain or hose pipe water then forms a sheet of water and rinses the dirt away, reducing the need for manual cleaning. Also prevents water droplets from forming which means clear views, even when it's raining.

**Glare reduction:** measured by the inverse of 'light transmission', the proportion of the visible light spectrum that is transmitted through the glass. It is important to reduce the transmission of concentrated light, especially in the roof, to maximise visual comfort. Reduces up to 68% of the sun's glare, maximising visual comfort on the brightest of days. Like sunglasses for your roof!

**Virtual elimination of condensation:** Internal condensation will only begin to form at an average external temperature of -11°C (in timber/PVCu frames at an internal temperature of 20°C and 50% relative humidity).

Specification data	ROOF GLASS				SIDE PANEL GLASS	
	sggClimaControl™ aqua	sggClimaControl™ natural	sggClimaControl™ blue	Standard polycarbonate	sggClimaControl™ vertical	Standard glass
Heat reflection (%)	78	71	68	25	57	24
Thermal insulation (W/m <sup>2</sup> k) - lower the better	1.0	1.0	1.0	1.6	1.0	2.7
Glare reduction (%)	68	63	53	32	35	19
Permanent self-cleaning	✓	✓	✓	✗	✗	✗
Virtually eliminates condensation	✓	✓	✓	✗	✓	✗
UV reflection (%)	94	87	87	-	72	56
Appearance	AQUA-GREEN	NATURAL	BLUE	-	CLEAR	CLEAR

EXCELLENT ■ GOOD ■ POOR ■

Uni-Blinds®

**Morley**  
GLASS & GLAZING LIMITED

**PEACE OF MIND...**



Morley Glass are the only UK manufacturer of integral blinds and our dedicated staff and nationwide service engineer are on hand to help at all times, giving you total peace of mind. A full 10 year guarantee is given on the standard units, 5 years on our Uni-Blind product.



pellinindustrie



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