



SOLARTEK

Films

Solving Glass Related Issues

SOLARTEK'S SILVER RANGE

Solartek's Silver range is available in a Dark, Medium and Light grades.

- Designed for maximum heat rejection, Solartek Silver is a perfect solution for commercial buildings that receive an excessive amount of solar exposure. Its aluminium, metallized construction provides the comfort and protection needed while reducing the sun's glare that causes unwelcome eyestrain.
- Additionally Solartek Silver films will assist with balancing interior hot spots and deliver cost-efficient energy savings for Building Manager's and homeowners whilst giving daylight privacy deterring opportunist burglar's making it difficult to see through your glass that would normally present a view of your expensive belongings.
- With a modern metallic finish Solartek Silver blends in well with factory tinted glass along with today's more sophisticated commercial and residential architecture.
- Aesthetically enhances any coloured brick buildings and looks great against white or grey window frames.

- Blocks 99% UV rays which are extremely harmful.
- Reduces fading.
- 10 year manufacturer's backed warranty when installed by Solartek.
- Scratch Resistant Coating.

| Dark | Medium | Light |
|---------------------|---------------------|---------------------|
| Heat Reduction 79% | Heat Reduction 65% | Heat Reduction 55% |
| Glare Reduction 84% | Glare Reduction 64% | Glare Reduction 48% |

SOLARTEK SILVER REFLECTIVE – HIGH



| Performance Data | | 0% | 20% | 40% | 60% | 80% | 100% |
|------------------------------|-----------|----|-----|-----|-----|-----|------|
| Total Solar Energy Rejection | 78.3% | | | | | | |
| Total Solar Absorption | 45.5% | | | | | | |
| Total Solar Reflection | 44.1% | | | | | | |
| Total Solar Transmission | 10.4% | | | | | | |
| Visible Light Transmission | 14.5% | | | | | | |
| Visible Light Reflection | 55.9% | | | | | | |
| Ultraviolet Light Rejection | Up to 99% | | | | | | |
| Visible Glare Reduction | 83.5% | | | | | | |
| Shading Coefficient | 0.25 | | | | | | |
| "U" Factor | 0.90 | | | | | | |
| Emissivity | 0.61 | | | | | | |

% may slightly change depending on glass type.

Film Colour: High Reflective Silver

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

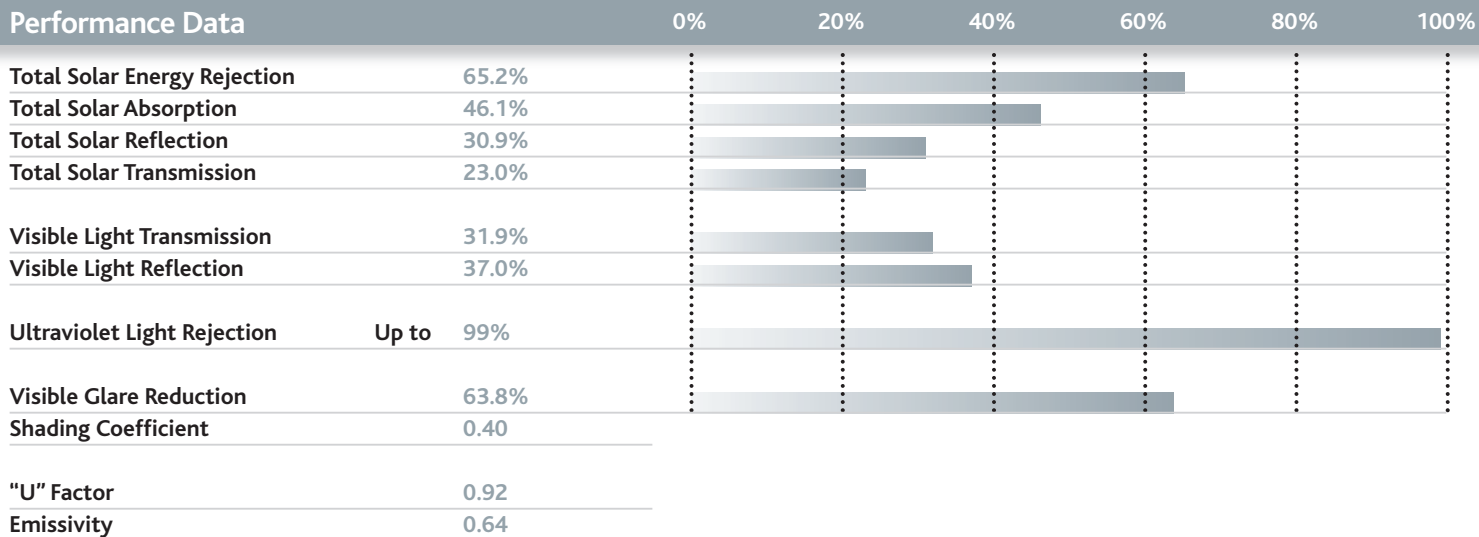
Features and Benefits

- High performing and most widely used solar control film. Offers daytime privacy, screening out unsightly areas. Gives an external mirrored appearance to glazing.
- Reduces high levels of incoming solar heat and glare, which makes it suitable for office situations where VDU's are operated.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.
- Also available in external version with 3 year warranty.

SOLARTEK SILVER REFLECTIVE – MEDIUM



Performance Data



% may slightly change depending on glass type.

Film Colour: Medium Reflective Silver

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

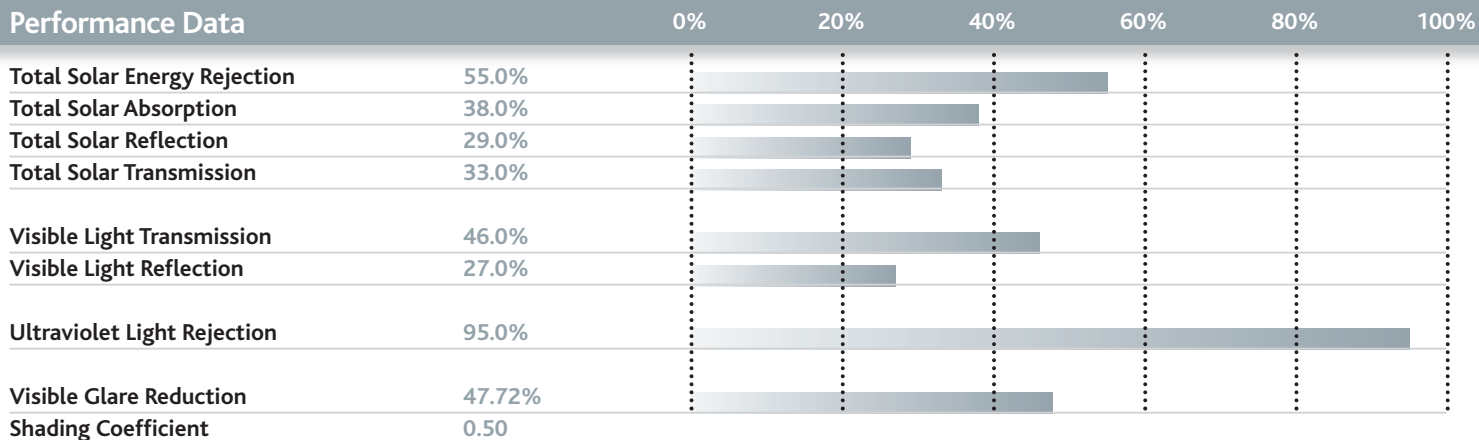
Features and Benefits

- Ideal for office, factory and most commercial applications. Offers excellent solar protection without substantially reducing incoming light.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.
- Also available in an external version with a 3 year warranty.

SOLARTEK SILVER REFLECTIVE – LOW



Performance Data



"U" Factor

Emissivity

% may slightly change depending on glass type.

Film Colour: Light Silver

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

Features and Benefits

- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

www.solarartekfilms.com

SOLARTEK'S BRONZE RANGE

Solartek's Bronze range is available in a Dark, Medium and Light grades.

- Designed for maximum heat rejection, Solartek Bronze is a perfect solution for commercial buildings that receive an excessive amount of solar exposure. Its aluminium, metallized construction provides the comfort and protection needed while reducing the sun's glare that causes unwelcome eyestrain.
- Additionally Solartek Bronze films will assist with balancing interior hot spots and deliver cost-efficient energy savings for Building Manager's and homeowners whilst giving daylight privacy deterring opportunist burglar's making it difficult to see through your glass that would normally present a view of your expensive belongings.
- With a modern metallic finish Solartek Bronze blends in well with factory tinted glass along with today's more sophisticated commercial and residential architecture.
- Aesthetically enhances bronze and brown coloured brick buildings and looks great against brown window frames.

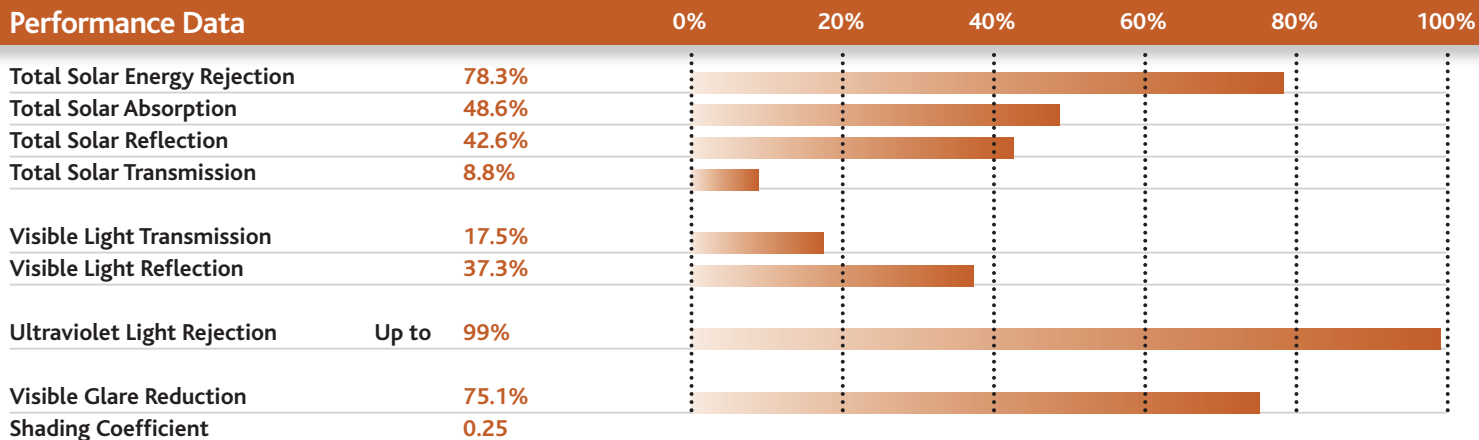
- Blocks 99% UV rays which are extremely harmful.
- Reduces fading.
- 10 Year manufacturer's backed warranty when installed by Solartek.
- Scratch Resistant Coating.

| Dark | Medium | Light |
|-----------------------|---------------------|---------------------|
| Heat Reduction 79% | Heat Reduction 66% | Heat Reduction 57% |
| Glare Reduction 75.1% | Glare Reduction 58% | Glare Reduction 46% |

SOLARTEK DARK SOLAR BRONZE



Performance Data



"U" Factor

Emissivity

% may slightly change depending on glass type.

Film Colour: Dark Bronze

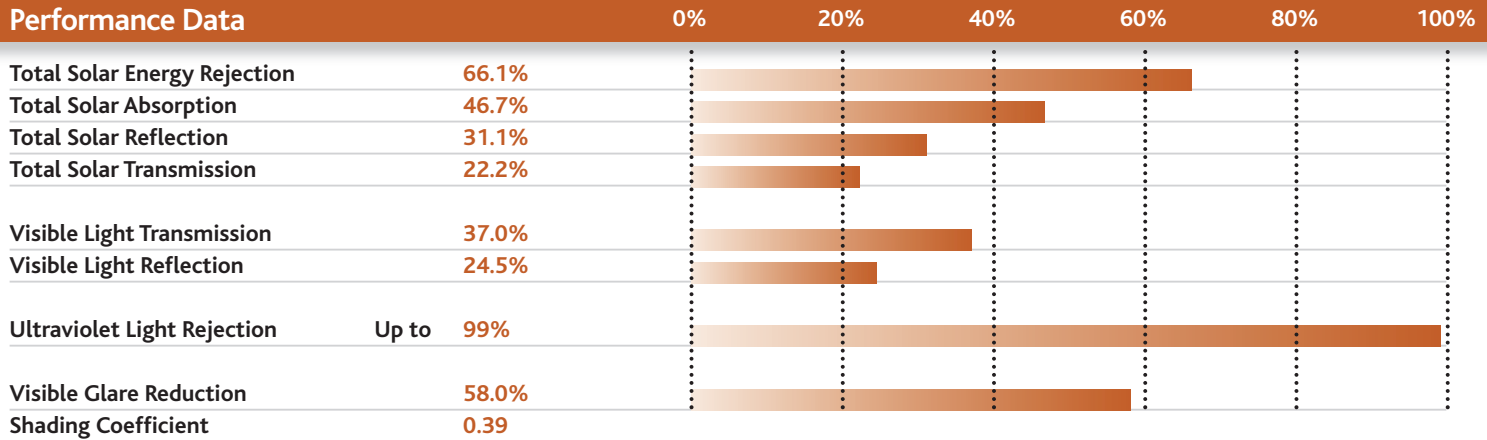
SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- Excellent solar heat and glare reduction creating a more comfortable environment.
- Allows a more acceptable level of natural light and gives a warm copper tint to glazing.
- Ideal for both commercial and domestic applications.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK MEDIUM SOLAR BRONZE



"U" Factor

Emissivity

% may slightly change depending on glass type.

Film Colour: Medium Bronze

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

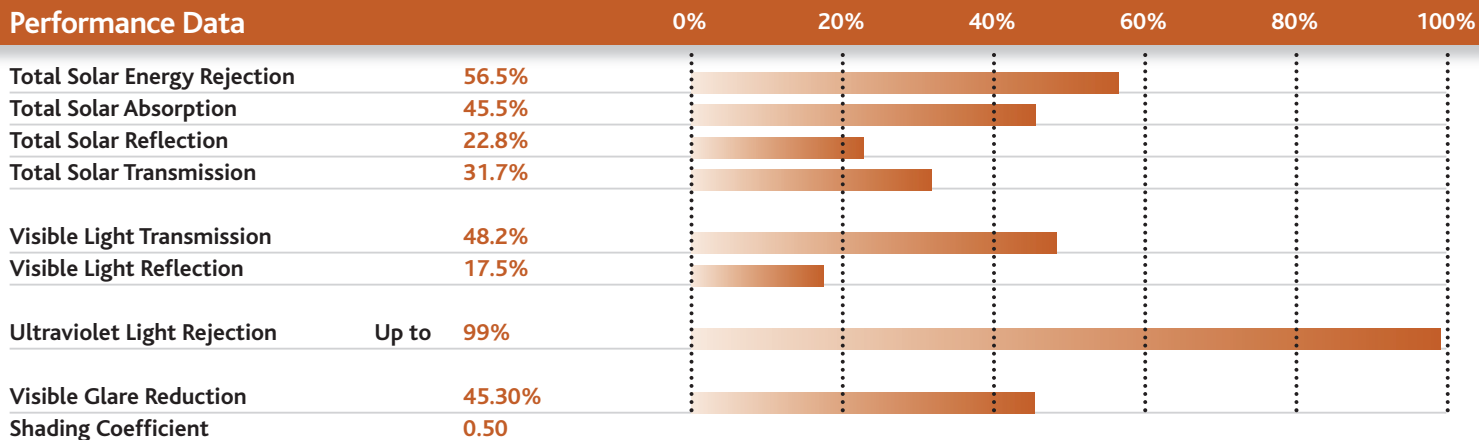
Features and Benefits

- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- Excellent solar heat and glare reduction creating a more comfortable environment.
- Allows a more acceptable level of natural light and gives a warm copper tint to glazing.
- Ideal for both commercial and domestic applications.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK LIGHT SOLAR BRONZE



Performance Data



"U" Factor

Emissivity

% may slightly change depending on glass type.

Film Colour: Light Bronze

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- Good solar heat rejection without sacrificing incoming visible light.
- Gives subtle light bronze colour to glazing, without substantially altering the external appearance of a building.
- Blocks out up to 99% of Ultra Violet light, helping to protect fabrics and furnishings.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK'S NEUTRAL RANGE

Solartek's Neutral range is available in a Dark, Medium and Light grades.

- Solartek's Neutral range of Window Film is one of the most popular on the commercial and residential market today.
- It has been designed to blend in well with any interior décor and not to interfere with the natural views outside the window.
- When applied it is less apparent as it does not give a mirrored finish it simply tints the glass whilst still rejecting heat and glare.
- They protect interior furnishing by cutting out 99% of the harmful Ultra Violet rays reducing the risk of fading on all your belongings including expensive paintings, carpets, curtains and furniture.
- This range along with our Ultra Performance range make up 90% of the installations we carry out on glass conservatory roofs throughout the United Kingdom and Europe.

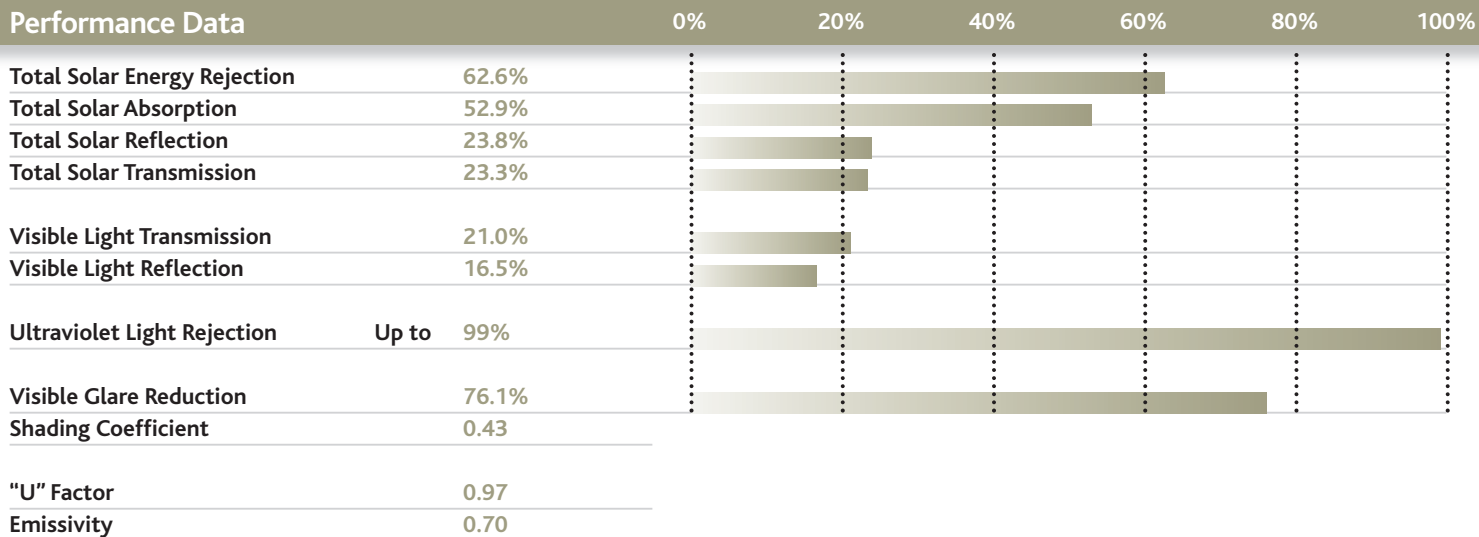
- Not mirrored finish just tinted.
- Cuts out 99% UV.
- Reduces Fading.
- 10 Year manufacturer's backed warranty when installed by Solartek.
- Scratch Resistant Coating.

| Dark | Medium | Light |
|---------------------|---------------------|---------------------|
| Heat Reduction 63% | Heat Reduction 58% | Heat Reduction 33% |
| Glare Reduction 76% | Glare Reduction 66% | Glare Reduction 40% |

SOLARTEK NEUTRAL SHADE – DARK



Performance Data



% may slightly change depending on glass type.

Film Colour: Dark Neutral Grey

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- High performing solar film which gives a subtle grey tint to the glass without being highly mirrored. Ideal for applications where it is desirable to have a uniformed neutral appearance to a building.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK NEUTRAL SHADE – MEDIUM



| Performance Data | | 0% | 20% | 40% | 60% | 80% | 100% |
|------------------------------|-----------|----|-----|-----|-----|-----|------|
| Total Solar Energy Rejection | 58.2% | | | | | | |
| Total Solar Absorption | 48.3% | | | | | | |
| Total Solar Reflection | 23.5% | | | | | | |
| Total Solar Transmission | 28.2% | | | | | | |
| Visible Light Transmission | 29.9% | | | | | | |
| Visible Light Reflection | 17.1% | | | | | | |
| Ultraviolet Light Rejection | Up to 99% | | | | | | |
| Visible Glare Reduction | 66.0% | | | | | | |
| Shading Coefficient | 0.48 | | | | | | |
| "U" Factor | 0.97 | | | | | | |
| Emissivity | 0.70 | | | | | | |

% may slightly change depending on glass type.

Film Colour: Medium Neutral Grey

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

www.solarartekfilms.com

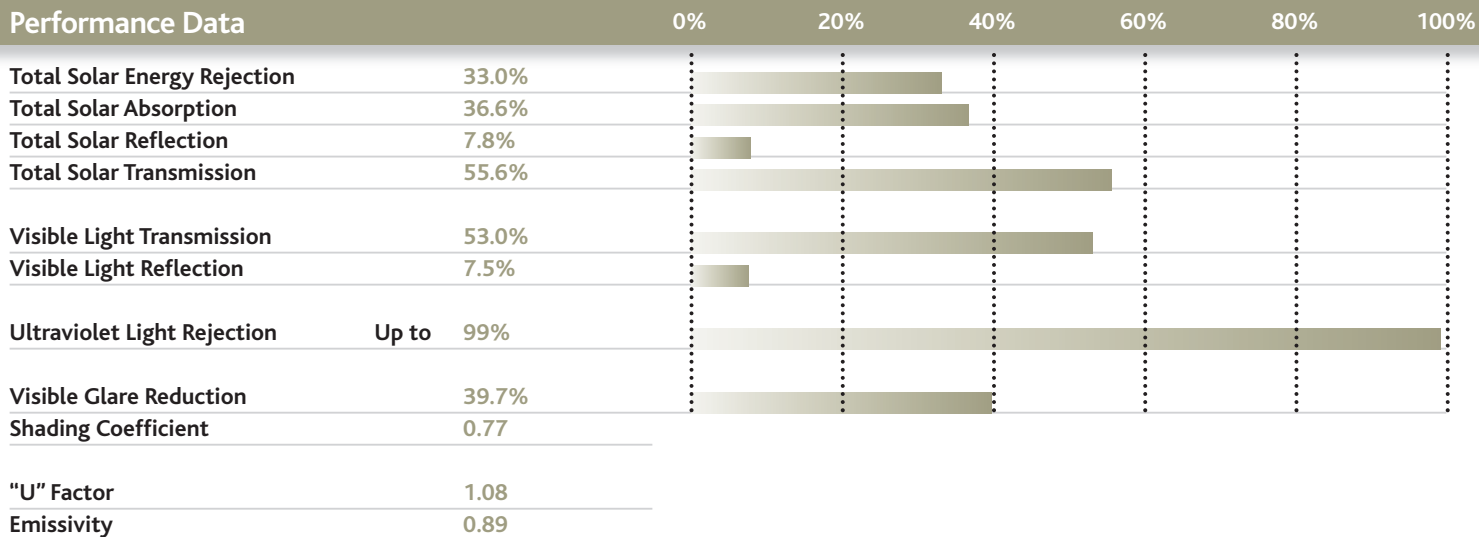
Features and Benefits

- Offers excellent solar control performance without noticeably altering the external appearance of the glass. Reduces incoming solar heat and glare whilst allowing through a high level of natural light.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK NEUTRAL SHADE – LIGHT



Performance Data



% may slightly change depending on glass type..

Film Colour: Light Neutral Grey

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- Gives a light neutral appearance to glazing. Ideal for application to glass areas where visibility through glass is important. Reduces solar heat and blocks up to 99% of UV light reducing risk of fading to furnishings and fabrics.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK'S ULTRA PERFORMANCE RANGE

Solartek's Ultra Performance range is available in a 35, 50 and 70 grades.

- One of the newly developed High-Tech Solar Control Film offering outstanding solar and UV protection without sacrificing as much incoming natural light as other Solar Films with the equivalent Solar Energy Rejection.
- Compare this range to our Neutral, Bronze and Silver ranges and SEE THE DIFFERENCE in the amount of light transmission whilst reducing similar amounts of solar energy (HEAT).
- Ultra Performance 70 is ideal for High Street Shops as it does not effect the customers being able to see through at the window displays as much as equivalent films and cuts out 43% heat as well as 99% Ultra Violet considerably reducing fading of goods increasing profits.
- Cuts out 99% UV.
- Reduces Fading.
- 10 Year manufacturer's backed warranty when installed by Solartek.
- Scratch Resistant Coating.

Ultra Performance 35

Heat Reduction 72%
Glare Reduction 63%

Ultra Performance 50

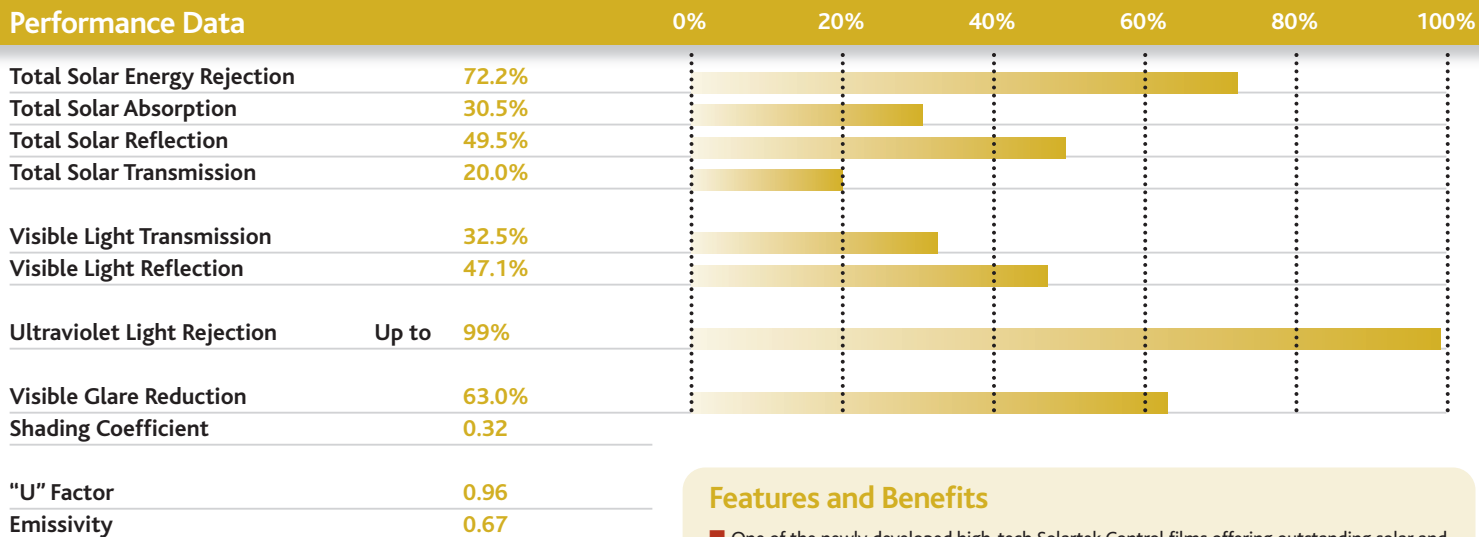
Heat Reduction 61%
Glare Reduction 42%

Ultra Performance 70

Heat Reduction 44%
Glare Reduction 21%

SOLARTEK ULTRA PERFORMANCE 35

see the difference



% may slightly change depending on glass type.

Features and Benefits

- One of the newly developed high-tech Solartek Control films offering outstanding solar and UV protection without sacrificing as much incoming natural light as the other Solar Films with the equivalent Solar Energy Rejection.
- Compare this to our Neutral Shade Dark, Sunset Bronze 20 and Silver Reflective High and 'SEE THE DIFFERENCE'.
- Ideal for both commercial and domestic applications. Significantly reduces incoming heat and provides excellent fading protection for fabrics and furniture.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

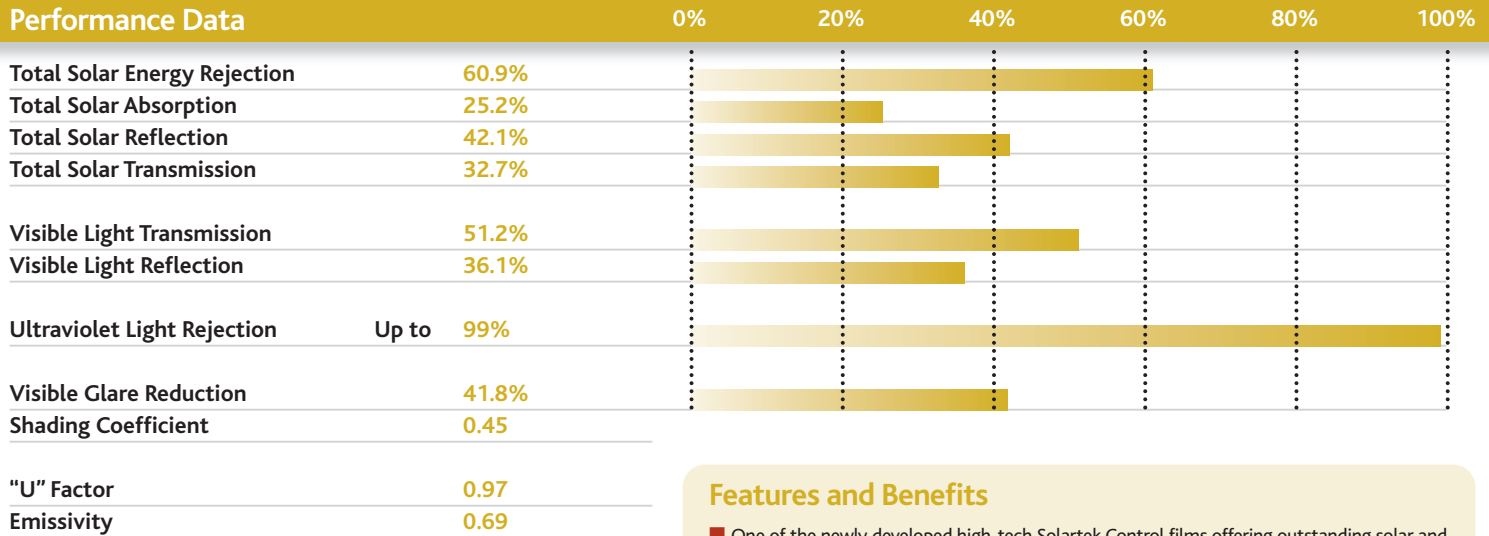
SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

www.solartekfilms.com

SOLARTEK ULTRA PERFORMANCE 50

see the difference



% may slightly change depending on glass type.

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

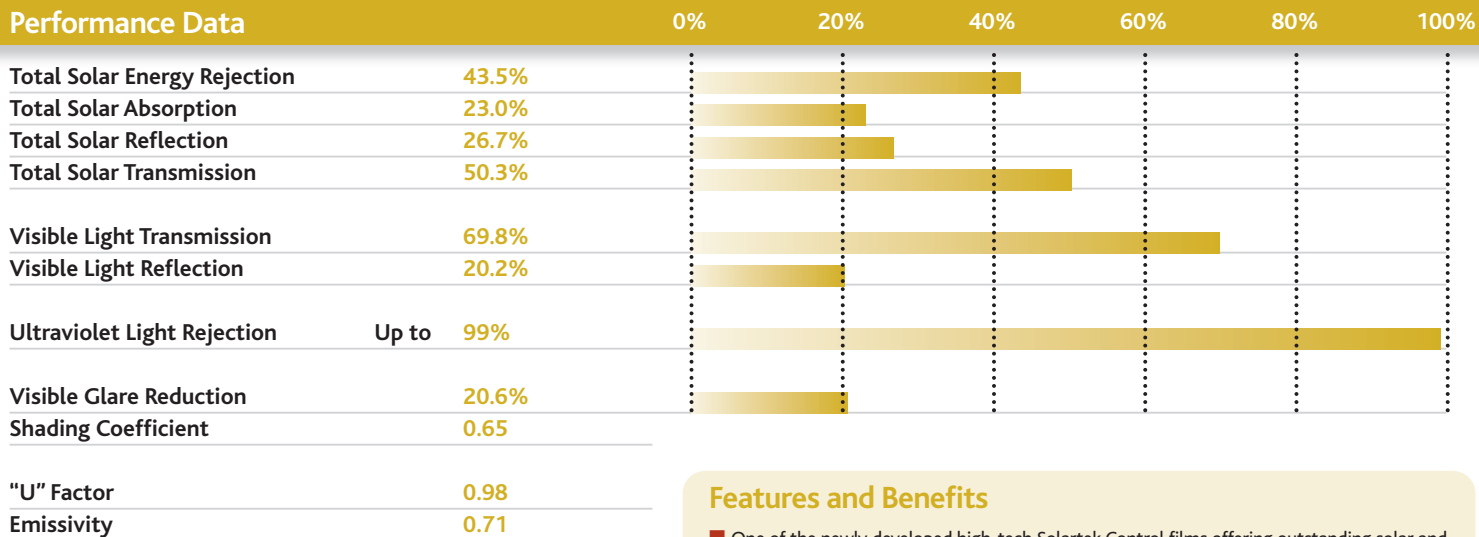
Features and Benefits

- One of the newly developed high-tech Solartek Control films offering outstanding solar and UV protection without sacrificing as much incoming natural light as the other Solar Films with the equivalent Solar Energy Rejection.
- Compare this to our Neutral Shade Medium, Sunset Bronze 30 and Silver Reflective Medium and 'SEE THE DIFFERENCE'.
- Ideal for both commercial and domestic applications. Significantly reduces incoming heat and provides excellent fading protection for fabrics and furniture.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

www.solartekfilms.com

SOLARTEK ULTRA PERFORMANCE 70

see the difference



% may slightly change depending on glass type.

SOLARTEK Films

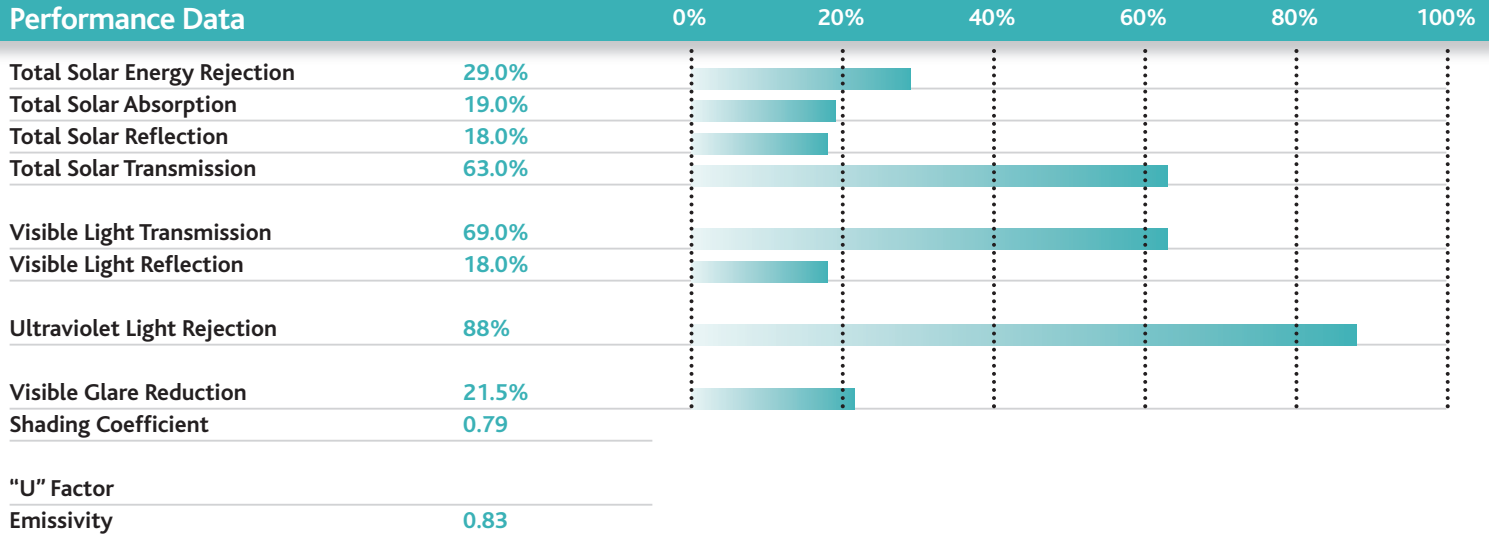
Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- One of the newly developed high-tech Solartek Control films offering outstanding solar and UV protection without sacrificing as much incoming natural light as the other Solar Films with the equivalent Solar Energy Rejection.
- Compare this to our Neutral Shade Light, Sunset Bronze 50 and Silver Reflective Low and 'SEE THE DIFFERENCE'.
- Ideal for both commercial and domestic applications. Significantly reduces incoming heat and provides excellent fading protection for fabrics and furniture.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

www.solartekfilms.com

SOLARTEK DM PS2 WHITE MATT



% may slightly change depending on glass type.

Film Colour: White Matt

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

Features and Benefits

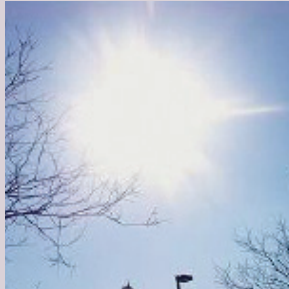
- Provides a frosted effect creating privacy from both sides of the glazing whilst still allowing a high transmission of the natural light.
- Ideal for use on partitioning, cloakroom and store areas.
- See movement not detail.
- This product carries a full 10 year manufacturer's warranty when professionally installed.

SOLARTEK'S STKCO₂ RANGE

Reduce your CO₂ emissions today with Solartek STKCO₂ film.



Glass without film



Glass with STKCO₂



Glass with an equivalent solar film

- Virtually clear film that reduces energy use costs and has an excellent heat gain reduction.
- It removes Ultra Violet light, reducing fading of fabrics, furnishings and interiors.
- It is available as CDA adhesive product with low visual distortion and providing good optical clarity.

- Increases profits by by reducing air conditioning costs and fading whilst not requiring additional artificial lighting.
- 15 year warranty for internal use when installed professionally.

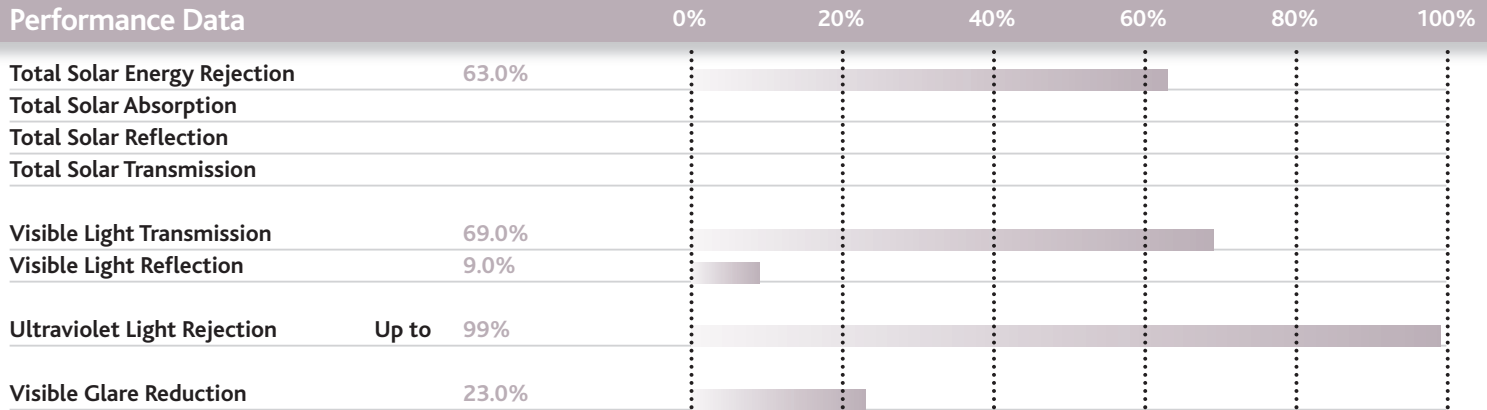
STKCO₂

Heat Reduction 63%
Glare Reduction 23%



This product has been approved by the **Clinton Climate Initiative** as it is '**practical, measurable and significant**'

SOLARTEK **STKCO₂ HC – CO₂ REDUCTION FILM**



"U" Factor

Emissivity

% may slightly change depending on glass type.

Film Colour: Virtually clear

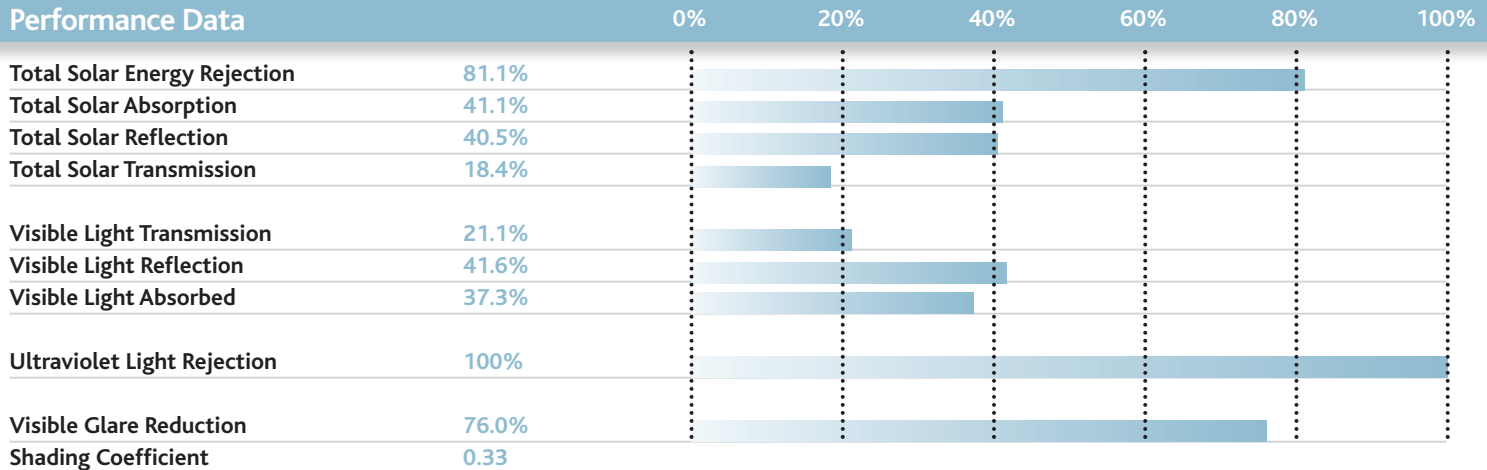
SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

Features and Benefits

- Virtually clear film that reduces energy use costs and has an excellent heat gain reduction.
- It removes Ultra Violet light, reducing fading of fabrics, furnishings & interiors.
- It is available as CDA adhesive product with low visual distortion and providing good optical clarity.
- Increases profits by by reducing air conditioning costs and fading whilst not requiring additional artificial lighting.
- 10 year warranty for internal use when installed professionally.
- Also available in Bomb Blast version

SOLARTEK COOLSHADE / POLYCARBONATE FILM



"U" Factor

Emissivity

% may slightly change depending on glass type.

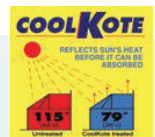
Film Colour: Grey

SOLARTEK Films

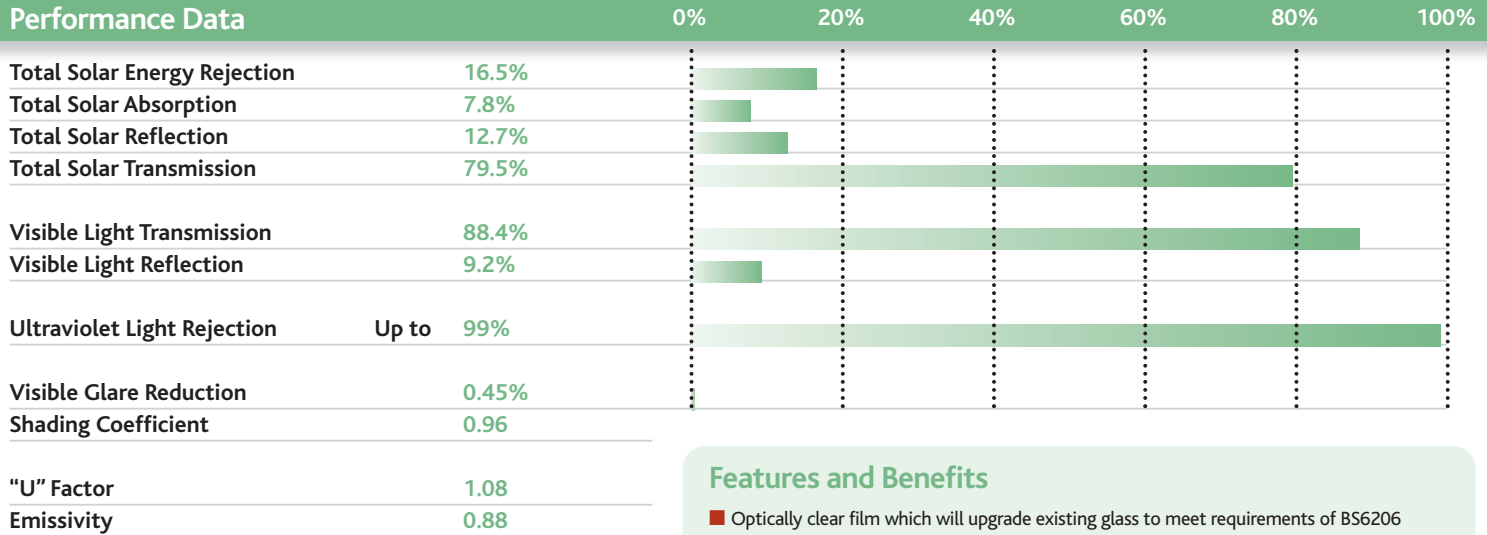
Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

Features and Benefits

- A diffused light grey tint when viewed from below.
- Water and alcohol resistant, very cohesive and extremely durable.
- Coolshade is a patched solar film that can be applied to polycarbonate, GPR and plastic substrates. It consists of a soft UV stabilised metallized film on the underside which gives dramatic reduction in the incoming solar heat by continuously reflecting it away.
- This product carries a full 8 year manufacturer's warranty when professionally installed and 2 years when applied externally.



SOLARTEK CLEAR 100 MICRON SAFETY FILM



% may slightly change depending on glass type.

Film Colour: Clear

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- Optically clear film which will upgrade existing glass to meet requirements of BS6206 Class B and EN12600 Class 2B.
- Protects personnel and property in the event of accidental or deliberate glass breakage.
- Deters potential burglars by making glass far harder to break through.
- Cuts out 99% UV reducing the risk of goods fading (increasing profit).
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 years Manufacturer's warranty when professionally installed.
- Also available in an external grade film with a 3 year warranty.
- Comes in Combined Solar, contact Solartek for more details.

SOLARTEK 175 MICRON BOMB FILM



| Performance Data | | 0% | 20% | 40% | 60% | 80% | 100% |
|------------------------------|-----------|----|-----|-----|-----|-----|------|
| Total Solar Energy Rejection | 16.5% | | | | | | |
| Total Solar Absorption | 7.8% | | | | | | |
| Total Solar Reflection | 12.7% | | | | | | |
| Total Solar Transmission | 79.5% | | | | | | |
| Visible Light Transmission | 88.5% | | | | | | |
| Visible Light Reflection | 9.10% | | | | | | |
| Ultraviolet Light Rejection | Up to 99% | | | | | | |
| Visible Glare Reduction | 0.56% | | | | | | |
| Shading Coefficient | 0.96 | | | | | | |
| "U" Factor | 1.07 | | | | | | |
| Emissivity | 0.87 | | | | | | |

% may slightly change depending on glass type.

Film Colour: Clear

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solarartekfilms.com

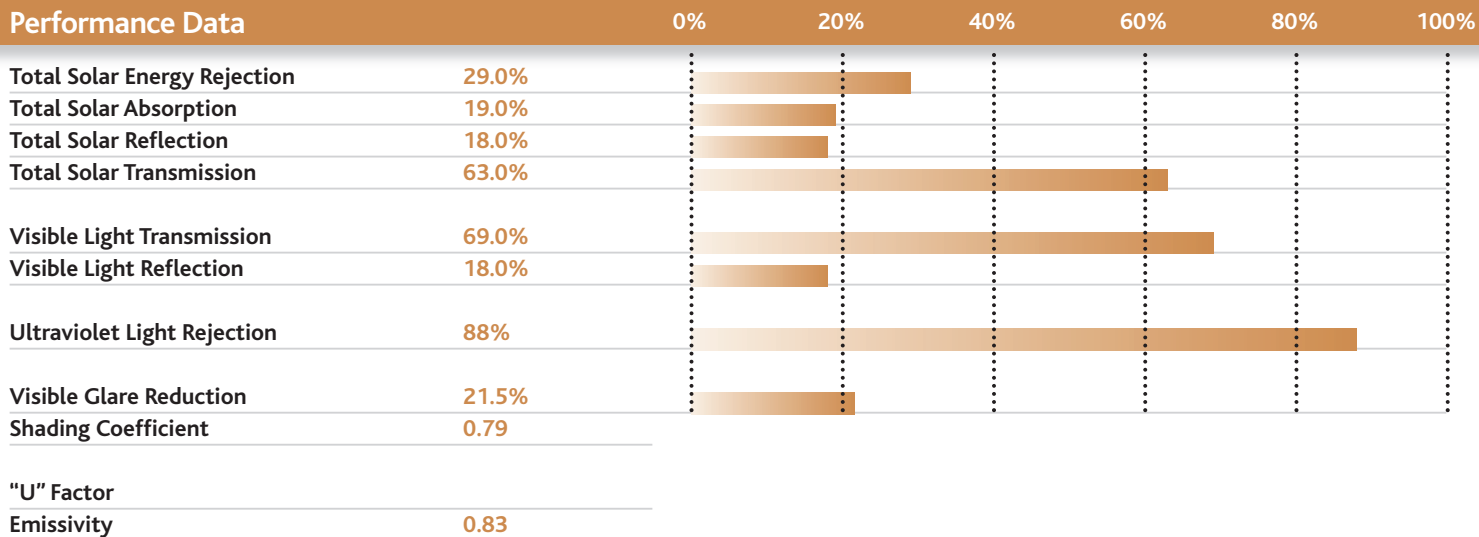
Features and Benefits

- Optically clear, high grade Safety / Security film.
- As recommended by the 'Home Office' for Bomb Blast Protection.
- Upgrade glass to meet requirements of BS6206 Class A and EN12600 Class 1B.
- Offers high level of protection to both personnel and property in the event of deliberate or accidental breakage, vandalism and attempted burglaries.
- Holds glass together in event of attack or explosion protecting people and property.
- It has Scratch Resistant Coating "SRC" to protect the product and avoid the appearance of scratches during normal handling and cleaning practices.
- This product carries a full 10 years Manufacturer's warranty when professionally installed.
- Also available in combined Solar / Bomb Blast range of Films (contact Solartek for more information and samples).

SOLARTEK DM PS2 BRONZE MATT

see the difference

Performance Data



% may slightly change depending on glass type.

Film Colour: Bronze Matt

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- Provides a frosted effect creating privacy from both sides of the glazing whilst still allowing a high transmission of the natural light.
- Ideal for use on partitioning, cloakroom and store areas.
- See movement not detail.
- This product carries a full 10 year manufacturer's warranty when professionally installed internally.

SOLARTEK WHITE GLOSS VINYL



Specification

FACE FILM

| | |
|------------------|----------------------|
| Face Film | White |
| Caliper | 90 Microns (+/- 10%) |
| Substance | 125gsm(+/- 10%) |
| Recommended Life | 3 Years |
| Shrinkage | <1% |

ADHESIVE

| | |
|--------------------------|------------------------------|
| Adhesive Type | Removable Acrylic |
| Tack | Low |
| Resistance to Sunlight | Excellent |
| Minimum Application Temp | Plus 5 Degrees |
| Service Temp | Minus 30 to Plus 120 Degrees |
| Cohesive Strength | Low |
| Initial Adhesion | 150 g/25mm |
| Adhesion at 48 hours | 400 g/25mm |

RELEASE LINER

| | |
|-----------------|--------------------------------|
| Type of Backing | Glassine - ss siliconized cal. |
| Kraft | |
| Colour | White |
| Substance | 65 gsm(+/- 10%) |
| Caliper | 55 Microns (+/- 10%) |

SOLARTEK Films

Telephone: 08000 15 18 15 • enquiries@solartekfilms.com

Features and Benefits

- Gives total privacy.
- Internal & external weatherable.
- Available in Gloss & Matt finishes.
- Available in all colours.
- Can digitally print any picture on to these film types.
- Manufacturer's warranty but vary depending on type.

SOLARTEK'S MANIFESTATION GRAPHICS

Frosted and coloured graphics for office partitioning, shop front graphics, company logos and advertising.



- Available in a huge range of vinyl and colour combinations, window graphics from Solartek can turn simple glazing systems into eye-catching adverts or images.
- Not only do they enhance the existing glass, but they also satisfy legal requirements to make glass apparent, preventing injury to members of the public and your employees.
- Our design experts are able, through in depth discussions, to take an original concept and transform your glass doors and windows into a high impact form of advertising that will attract extra custom and subsequently increase profit to your business.
- Also available is the latest form of advertising on glass by using digital print on to film (any picture or photo) and applied to your glass.

What we can offer:

- The latest technology in window film to produce significant energy reduction without the traditional reduction of visible light.
- Individual building model assessment to identify expected reductions in specific buildings.
- Individual building thermal stress analysis.
- EU installation service.
- Available in combined Bomb Blast / Heat Reduction.
- Manufacturer warranty on film quality and performance.

Other products Solartek supply and install:

- Bomb Blast Protection
- Edge Retention Systems
- Privacy / Frosted Film
- Security Film
- Safety Film
- Workplace (Health, Safety & Welfare) Regulation 14 Glazing Identification Surveys
- Manifestation Graphics
- Conservatory Perspex Heat Reduction Film
- Glare Reduction

SOLARTEK *Films*

Solartek Films Ltd contact details:

Telephone: 08000 15 18 15
Fax: 01920 464 488
Email: enquiries@solartekfilms.com
Website: www.solartekfilms.com
Skype name: Solartek Films Ltd



Solartek Films Ltd Nationwide and European Depots

London • Plymouth • Cardiff • Birmingham • Sheffield • Newcastle
Glasgow • Belfast • Malaga Spain