

# SECURFOL®

English version





# SECURFOL®

A WHOLE WORLD OF SOLUTIONS

## SECURFOL® SOLAR CONTROL

Protects from UV, heat and  
excessive glare

P4

## SECURFOL® SAFETY

Reinforces windows against  
glass breakage

P18

## SECURFOL® DESIGN

Dresses up and privatizes your  
windows regarding your tastes

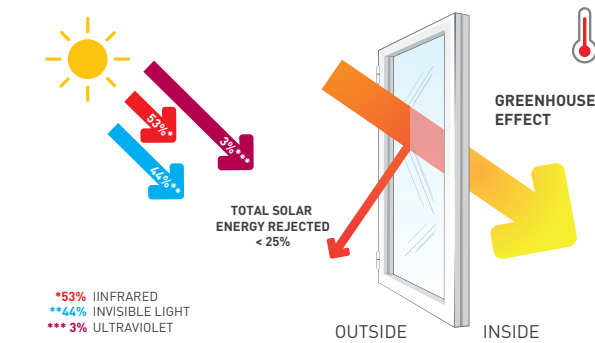
P30



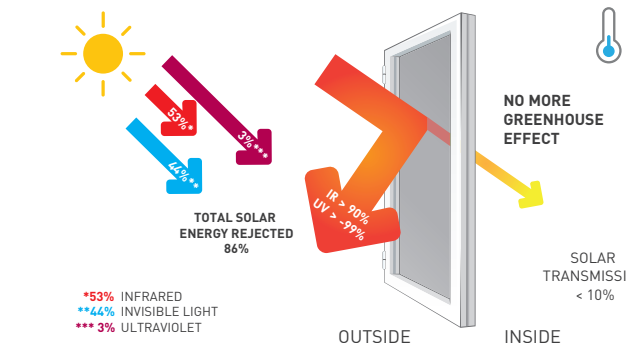


## HOW DOES IT WORK?

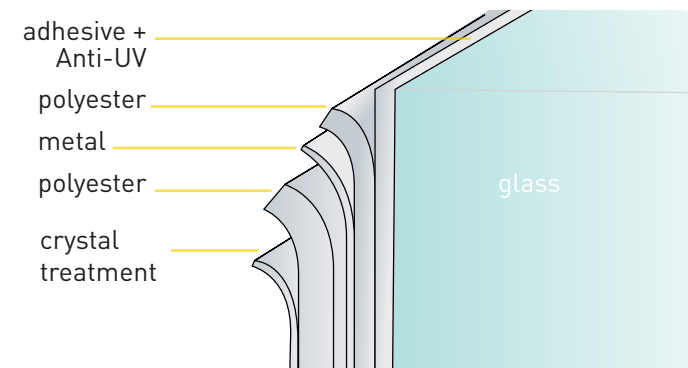
### SIMPLE GLASS WITHOUT FILM



### SIMPLE GLASS WITH SILVER 245 XC



### FILM COMPOSITION (SILVER 80 C)

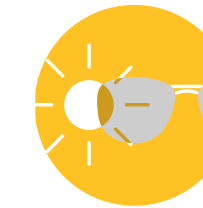


## 3 CRITERIAS FOR THE SOLAR FILMS :



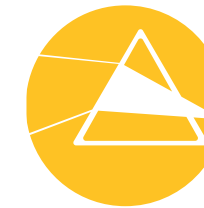
### TOTAL SOLAR ENERGY REJECTED

The higher it is, the lower the total heat and cooling savings are realized.



### GLARE REDUCTION

The higher it is, the better the visibility on your screens.



### LIGHT TRANSMISSION

The higher it is, the higher the brightness.

→ **Visual acuity**

has to be taken into account

See : Did you know? Page 11



# HEAT PROBLEM?

The excessive heat on your glass surfaces exposed to the rays of the sun is a recurring problem and difficult to fight without significantly increasing its air conditioning invoice. It also causes a decrease of the concentration and therefore the productivity.

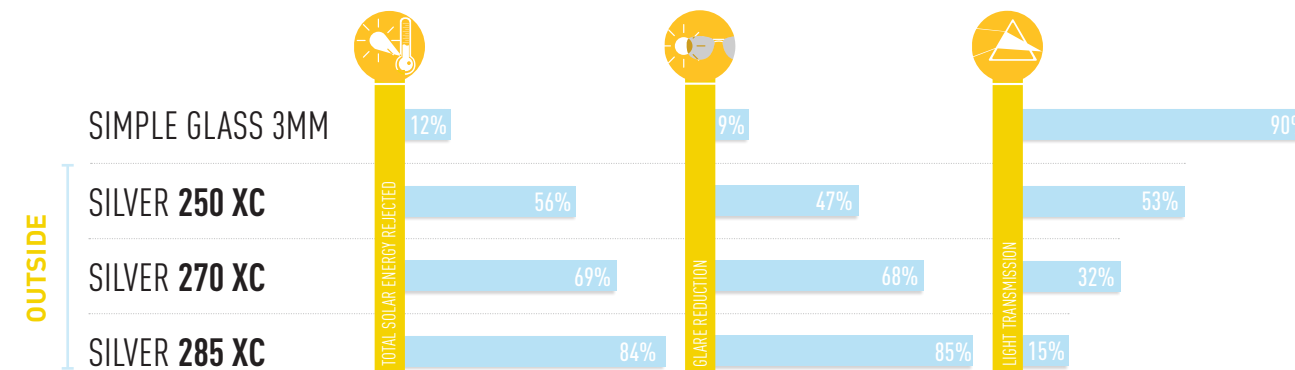
We offer adapted solutions to this problem with our Silver ranges, the most used.



## SOLUTIONS

### THE SILVER RANGE

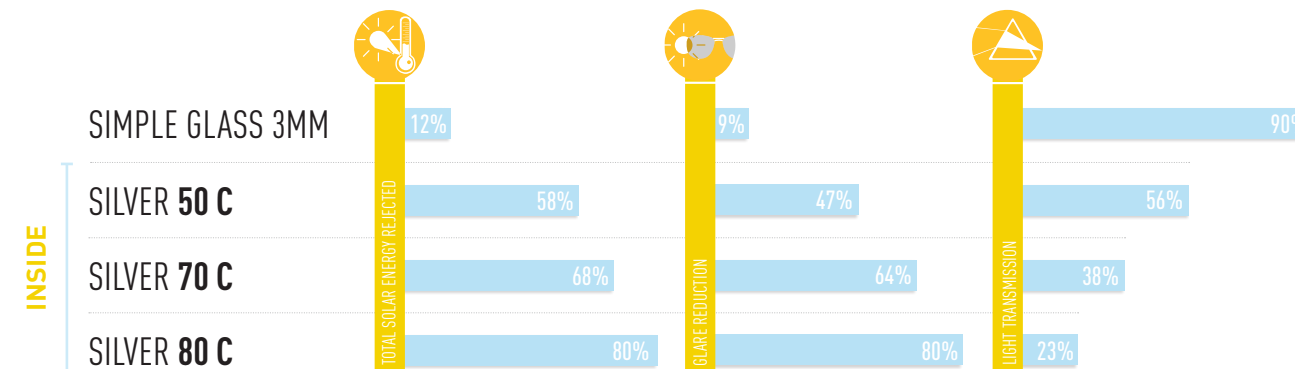
This film is applied on the outside of any type of glazing to form a reflective screen that reflects solar energy.



BETTER PERFORMANCE  
& NO RISK OF THERMAL SHOCK

### THE SILVER RANGE

This film is applied on the inner face of single or old types of glazing to form a reflective screen that returns solar energy.



EASY INTERIOR FILM INSTALLATION

## SILVER 285 XC



Malaga Airport - Spain



- > Reduction of greenhouse effect and also interior heat
- > Privacy and glare reduction via the mirror effect according to the chosen metalization density
- > 99% UV absorption
- > Durability of the films



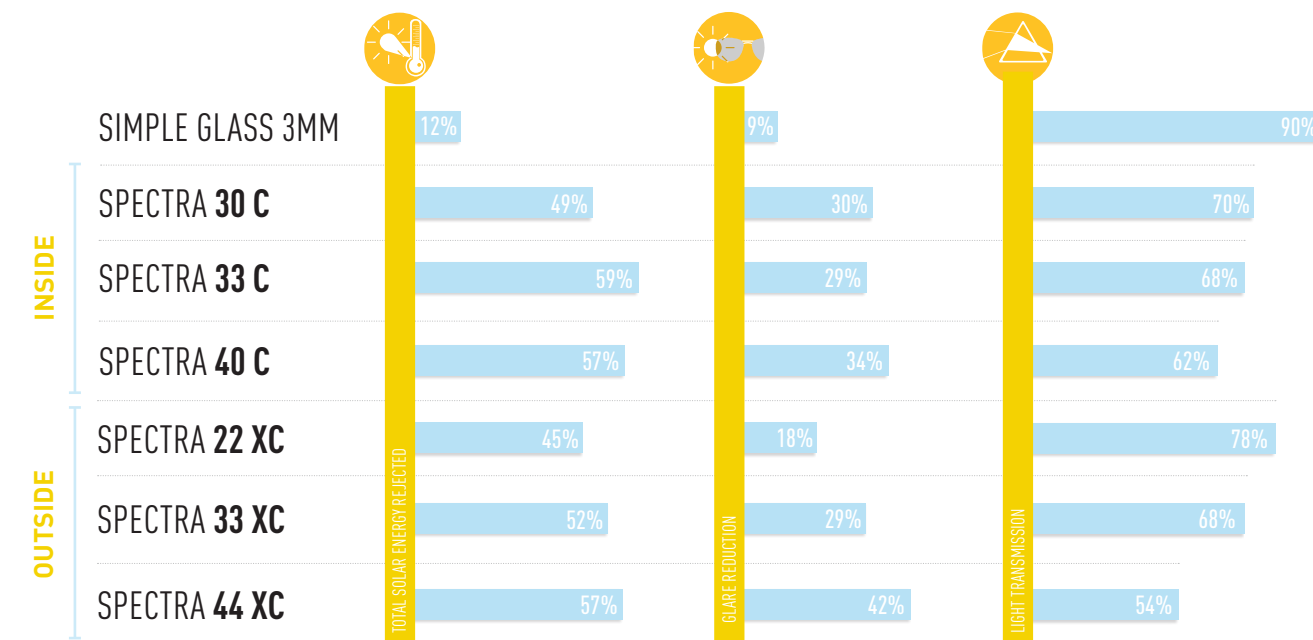
The excessive heat caused by the sun on windows is a recurring problem that is difficult to combat without darkening the interior.

We offer solutions for a good compromise with our Spectra range.

# NEED TO REDUCE HEAT WITHOUT LOOSING BRIGHTNESS?

## THE SPECTRA RANGE

This film forms an almost transparent infrared barrier that reduces solar energy.



THE BEST COMPROMISE BETWEEN TRANSPARENCY AND PERFORMANCE!



## DID YOU KNOW?

### WHAT IS VISUAL ACUITY?

Visual acuity is the ability to discern information that is brought to the brain by the eye. It determines the quality of the view

In the case of our films, it is the ability of the eye to adapt to the perceived brightness in the room when it is diminished. The perceived visible light transmission is therefore adapted and also higher.

In summary, below 80% of hue, the eye will correct the before / after film so that we will not feel the effect of the hue, which is the case for the entire Spectra range.



- > Reduces the greenhouse effect and therefore the interior heat
- > Maintains transparency inward
- Preserves a neutral facade
- > (Spectra type 30 C, 33 XC or 22 XC)
- > Rejects up to 97% of the infrared rays (Spectra 44 XC)

## SPECTRA 30 C

Museum of Modern & Contemporary Art - Nice - France

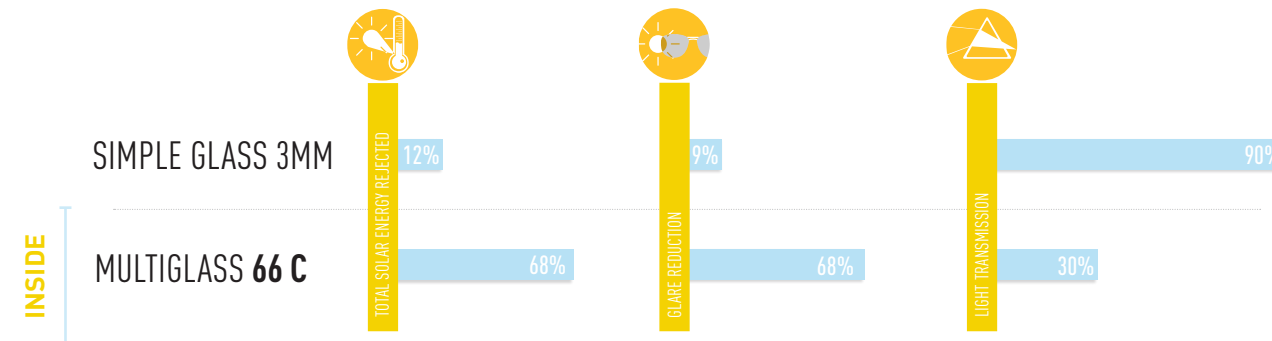




## WARM COLOUR AND ANTI-HEAT

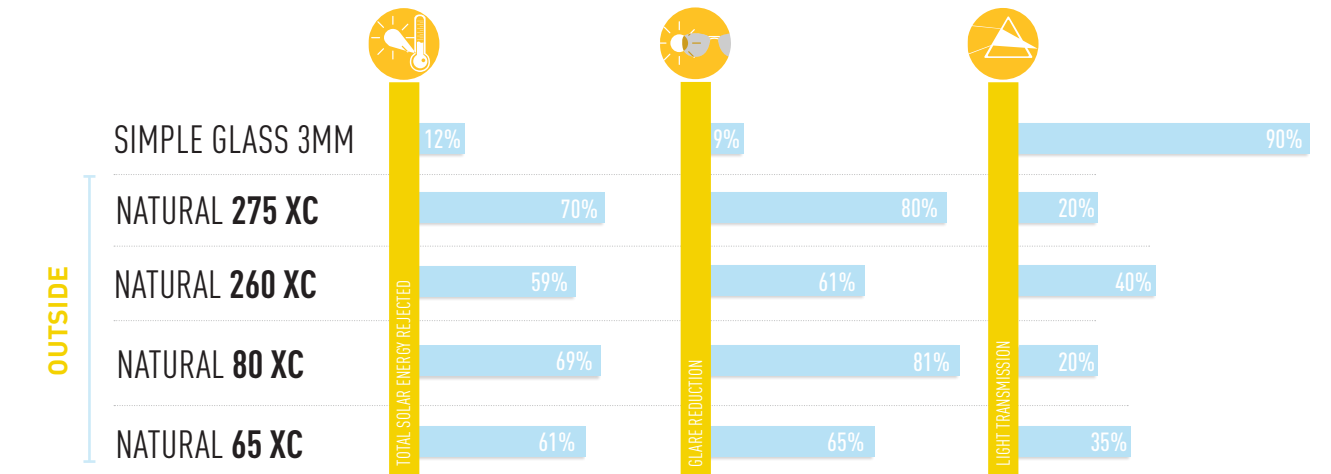
### THE MULTIGLASS 66 C

Its unique blend of metal alloys makes this film usable on a large part of windows without risk of thermal shock. It is also for you the alternative to films in the "Silver" range, allowing you to enjoy the look of the film in addition to performance.



### THE NATURAL RANGE

This "neutral" solar protection of appearance makes it possible to preserve the current aesthetic of your buildings, with however a solar yield lower than the classic series "Silver".



## NATURAL EFFECT PRESERVING YOUR FACADES



Throughout the year, temperature issues are present. In winter, cold windows and walls are unpleasant and in summer the heat passes through the windows.

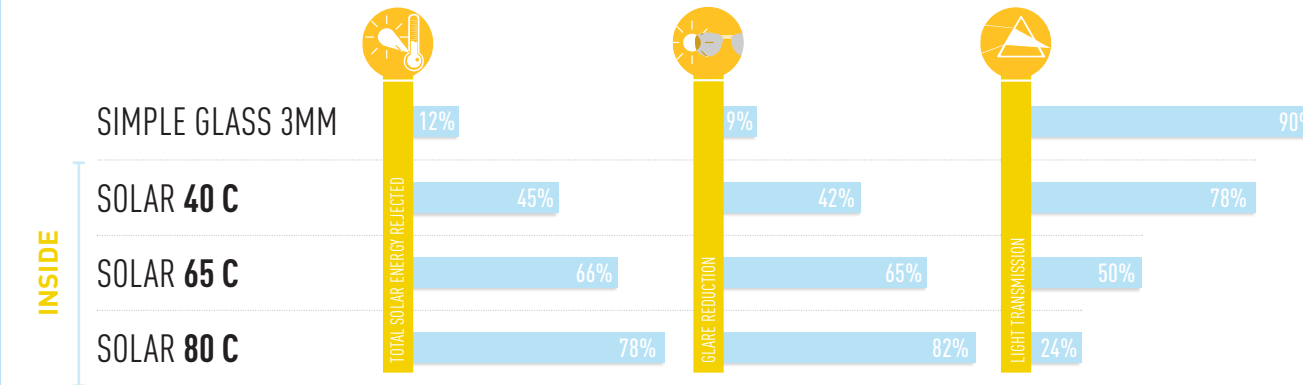
To combat these issues, our Solar range is effective throughout the year.

NEED SERENITY  
THROUGHOUT THE YEAR?

# SOLUTIONS

## THE SOLAR RANGE

This film is applied on the inner face of a glazing to form a reflective screen that returns solar energy.



THE EFFICIENT SOLUTION THROUGHOUT THE YEAR!



- > **THE 4 seasons solution**
- > Isolates in winter to keep the interior heat
- > Reduces the greenhouse effect in summer
- > Extreme performance (Solar 80 C) up to the right "compromise" (Solar 40 C)



## DID YOU KNOW?

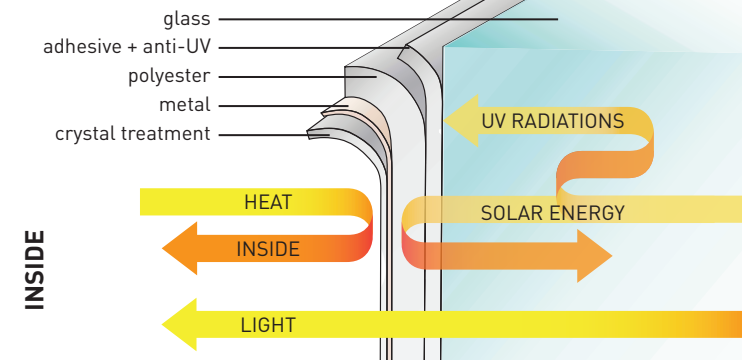
### HOW THE SOLAR RANGE WORK?

Thanks to its inverted composition compared to classical solar films, the Solar range allows heat reflection inwards.

The film achieves a 33% (Solar 80 C type) reduction in heat loss in winter, which reduces heating costs and considerably increases interior comfort with a temperature gain of up to + 4 ° C observed.

In summer, it performs its role of solar film by preventing some of the solar energy from entering and therefore reduces the heat.e la chaleur.

## FILM COMPOSITION







To eliminate privacy issue is important at work and in certain everyday places.

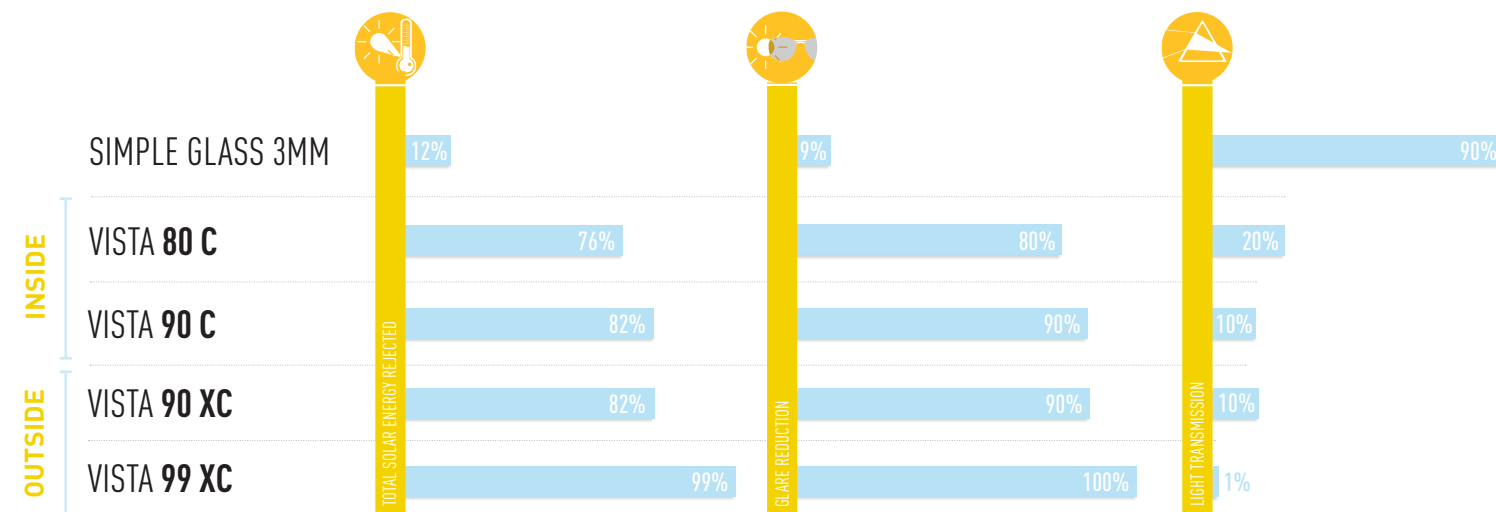
The need to see without being seen finds its solution through our Vista range and allows to create a space of privacy thanks to its one-way mirror aspect.

## PRIVACY ISSUE?

## SOLUTIONS

### THE VISTA RANGE

This film is applied on the inner face of single or old types of glazing (> 20 years old) or outside for any other kind of glazing forming a reflective screen that controls solar energy, as well as prying eyes from outside.



THE BEST PERFORMANCE IN ALL ASPECTS!

- > Allows to see to the outside without being seen inside
- > No more risk of glare
- > Reinforces your glazing in case of break-in



### DID YOU KNOW?

#### VISTA 99 XC FILM IS A SECURFOL EXCLUSIVITY

The Vista 99 XC film is defined by its ability to remove almost all solar heat and glare while maintaining the ability to see outwards.

Its one-way mirror aspect eliminates all opposite discomfort and provides a "visual" protection

This outdoor installation film, has the advantage to be installed on any type of glazing in peace without risk of thermal shock.





There is no way to absolutely protect the objects from discolouration, unless you put them in the dark without direct light, at low temperature and keep them out of the air and aggressive atmosphere.

The most efficient solution consists in eliminating UV-A, which is the main cause of damage. They are at + 99% absorbed by using Clear 1 UVC or Neutral 40 UVC film.

CLEAR 1 UVC

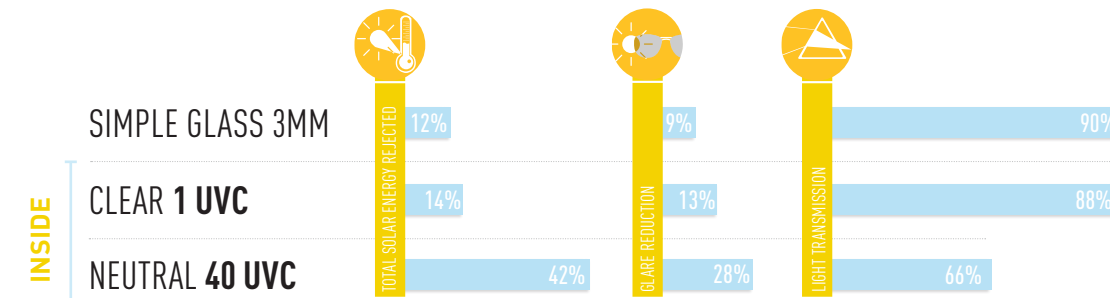
NEUTRAL 40 UVC



SOLUTIONS

## THE ANTI-UV RANGE

This film is applied on the inner face of a glazing to form a reflective screen that filters UV rays while preserving transparency.



PRESERVE COLOURS BY  
EFFICIENTLY AVOIDING UV

ABSORBS  
**+99,5%**  
OF UV\*  
against 40-60% for glasses



- > Reduces discolouration
- > Almost transparent, it does not change the appearance of the glass and allows the view inwards
- > Invisible from the inside

CLEAR 1 UVC



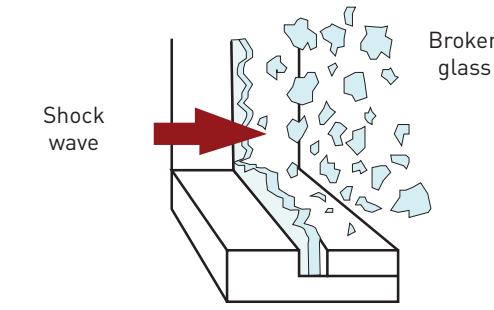
Van Gogh Museum - Amsterdam - Netherlands



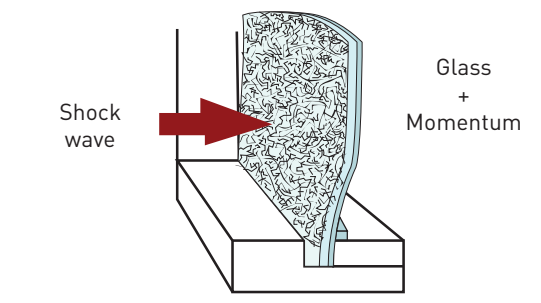


## HOW DOES IT WORK?

Our security films form a barrier on the glass to prevent glass splinters from being thrown or scattered inwards when the glass breaks.



GLASS WITHOUT FILM



GLASS WITH FILM



## DID YOU KNOW?

At work, at home or in public places, accidents and vandalism can turn a window into thousands pieces of glass in a few seconds: a risk of serious injury that can be irreversible.

Glass projectiles thrown at + 40km / h can cause fatal injuries.

We offer effective prevention solutions to prevent your windows from becoming a potential hazard.

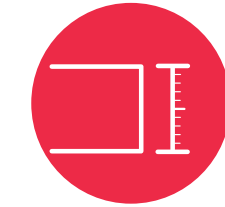


## 3 CRITERIAS FOR SECURITY FILMS



### TOTAL SOLAR ENERGY REJECTED

The higher it is, the lower the total heat and cooling savings are realized.



### FILM THICKNESS

The higher it is, the higher the security film resistance.



### CERTIFICATION

It determines up to what strength the films remain efficient and under which types of shocks.

→ EN 12600, EN 356 OR ISO 16933

See : Did you know? Page 25



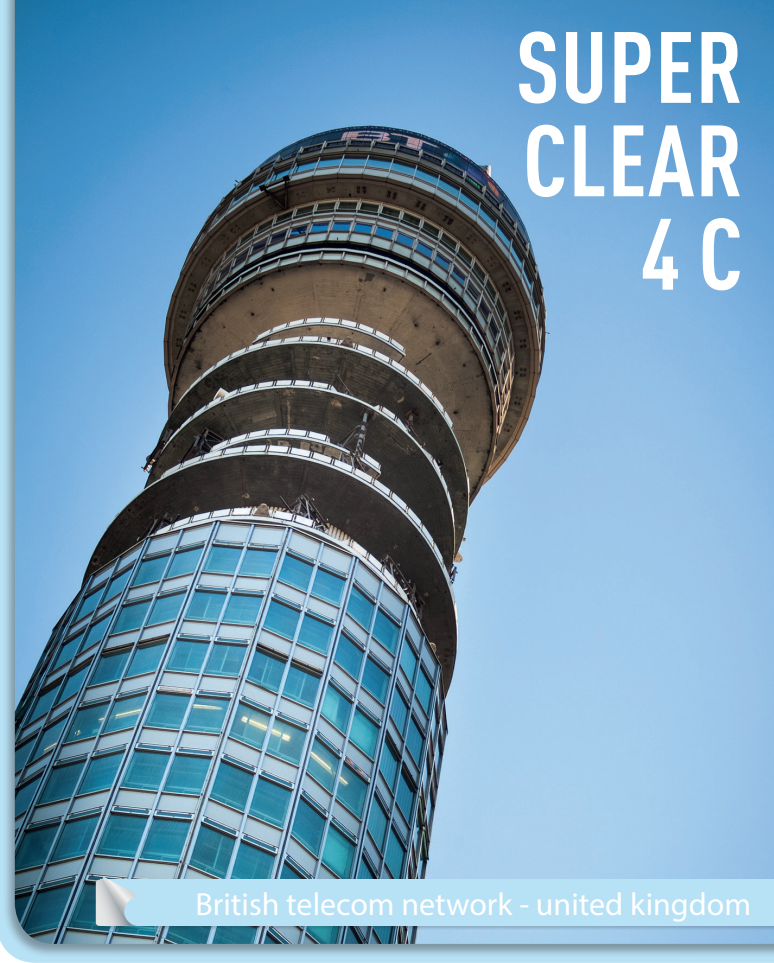
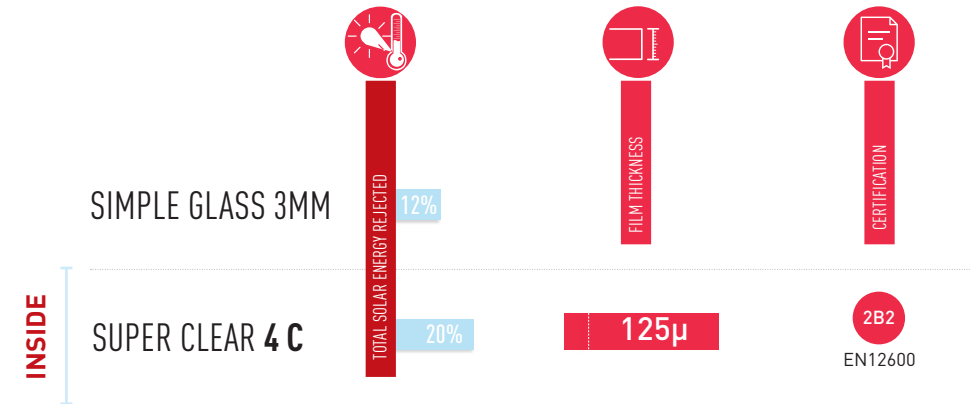


# CLASSICAL SECURITY

## SOLUTIONS

### THE SUPER CLEAR 4 C

This film is applied on the inner face of any type of glazing to reinforce the glass and to protect against any falls or splinters of glass breakage.



British telecom network - united kingdom



### DID YOU KNOW?

ALL OUR  
SAFETY FILM  
ARE COMPLIANT  
WITH SPSP DECREE

A special personal safety plan (SPSP) is the best response to deal with the seriousness of the major accident situation and to limit the consequences until the rescues arrival.

Our films allow to delay the break-in, keep people safe inside and avoid glass breakage or splinters.



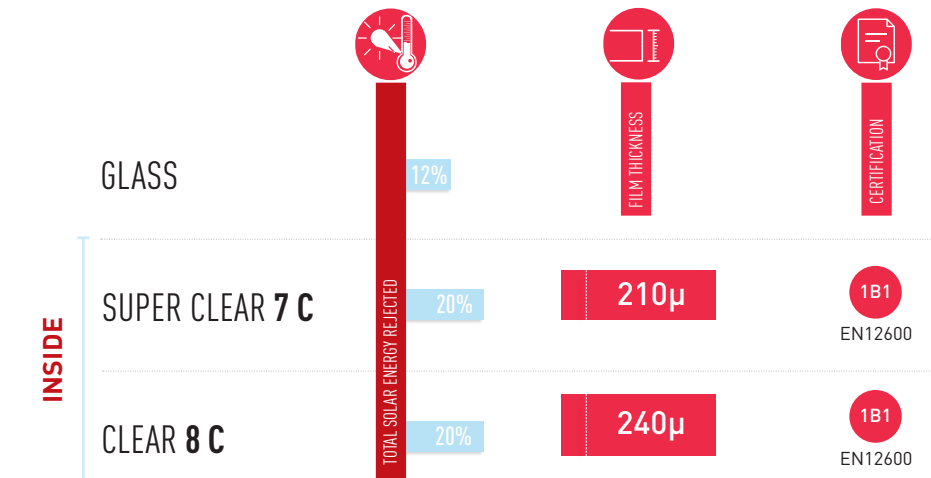




# SOLUTIONS

## THE SUPER CLEAR 7 ET 8 C

This film is applied on the inner face of any type of glazing to reinforce the glass and to protect against any falls or splinters of glass breakage.



Congress centre - geneva - switzerland



DID YOU KNOW?

3 THERE ARE CERTIFICATIONS TYPES



This basic certification offers effective protection against shocks and clashes. It guarantees that the glazing remains in one piece.



This superior type certification offers real resistance to any kind of impact. A highly dissuasive solution against break-ins and damage.



This premium certification offers resistance to the blast of an explosion and allows building security requiring this high level of security.



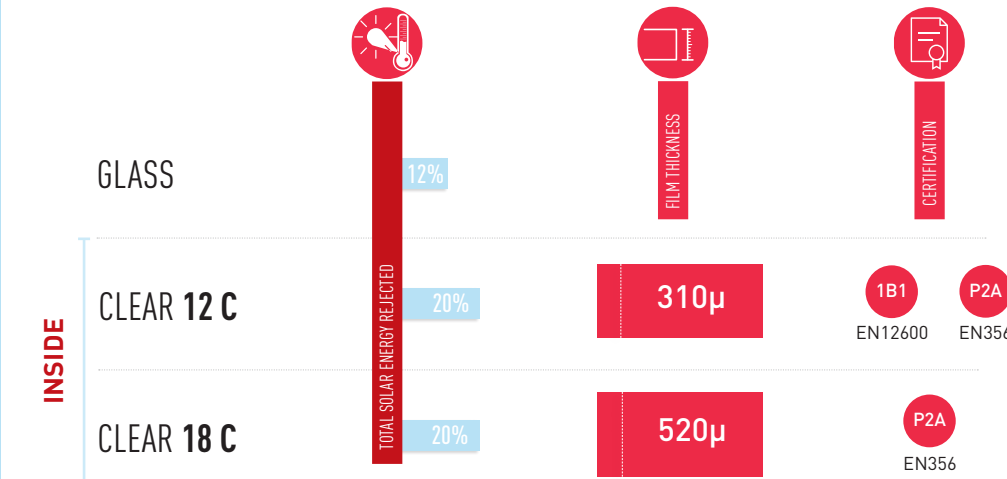


# EXTREME SAFETY

## SOLUTIONS

### THE CLEAR 12 C AND 18 C

This film is applied on the inner face of any type of glazing for an extreme strengthening of the window and to protect against any falls or splinters of glass breakage due to an explosion for example.



### SUMMARY OF THE CLEAR RANGE (4, 7, 8, 12, 18 C)

- > Greatly reduces possible break-in
- > Limits glass breakage during violent explosions
- > Protects and secures the occupants
- > Available in 183cm width reducing the connections of large glazings
- > Invisible films



### DID YOU KNOW?

The glass type and thickness are decisive for the choice of safety film:

- For glazing at an individual's home, school or town hall, choose Clear 4 C.
- For a store or showcase, it is better to choose the Clear 7 and 8 C range.
- For any building requiring high security such as banks or state buildings, we strongly recommend the Clear 12 C or 18 C range.

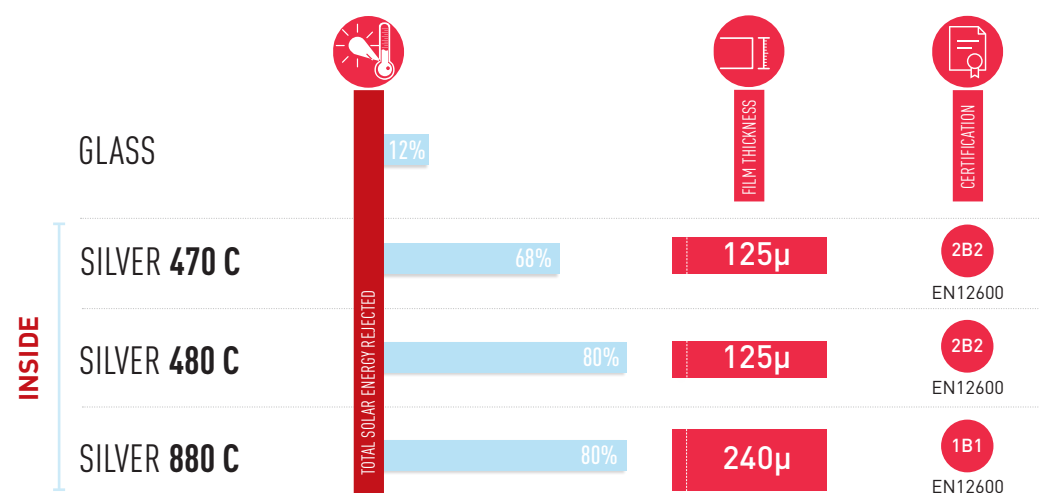




# SOLAR PROTECTION AND SAFETY

## THE SILVER RANGE

This film is applied on the inner face of any type of glazing to reinforce the glass and to protect against any falls or splinters of glass breakage. Its hue, depending on its degree of transparency, also reduces heat and glare.



## THE SECUR

This film is directly applied on the mirror to reinforce it and protect against any falls or splinters of glass breakage. The film is fully transparent and does not alter the appearance and properties of the mirror.

|        | GLASS   |     |      |                |
|--------|---------|-----|------|----------------|
| INSIDE | SECUR 4 | 12% | 100μ | 2B2<br>EN12600 |

TOTAL SOLAR ENERGY REJECTED  
 FILM THICKNESS  
 CERTIFICATION

In France, the regulation of the ERP (decree of 25/06/1980) article X9



# MIRROR BACK PROTECTION

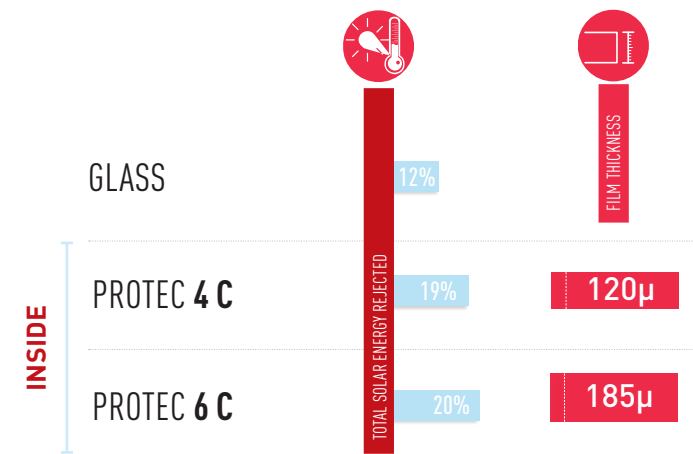




# ANTI-GRAFFITI

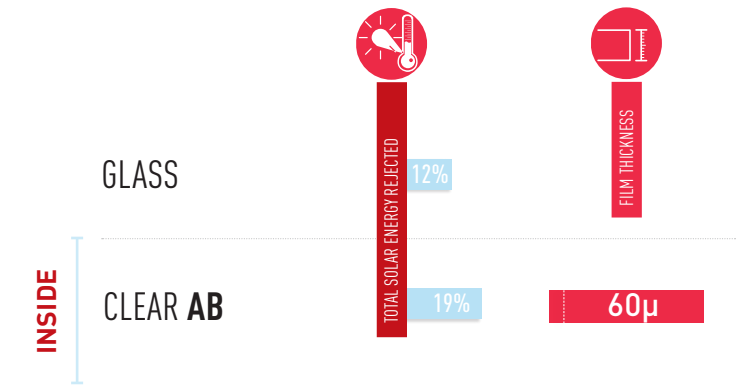
## THE PROTEC RANGE

This transparent film is applied to your windows to protect them from possible vandalism attempts such as graffiti or scratches. Just remove the film after degradation to find a window as new.



## THE CLEAR AB

This film is applied to glazing to prevent the accumulation of water on the windows, causing steam in damp places. It can be applied on different glazed surfaces as well as on mirrors.



# ANTI-FOG







## THE OPALESCENTS RANGE

MAT WHITE



MAT ACID GREY



MAT FROST



MAT STAR





## THE FROSTED RANGE



## THE RANGE OF WHITE, GRAY, BLACK





## THE BLACKOUT RANGE

**Two products for total privacy.**

The blackout films are completely opaque, they do not let light to enhance or prying eyes.

**2 COLOURS  
AVAILABLE:**

WHITE OPAQUE

BLACK OPAQUE

## THE COLOUR RANGE







**SECURFOL®**  
SOLAR CONTROL



**SECURFOL®**  
SAFETY



**SECURFOL®**  
DESIGN



**SECURFOL®**  
SPECIAL

# SECURFOL®

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