3M Science. Applied to Life.™

Solarshield
Solutions for glazing

3M™ Prestige Sun Control Films

For perfect sun protection and optimal indoor climate.

The 3M Prestige Solar Control Window Films.

Perfect protection and clear vision.

The secret of the 3M Prestige Series is the multilayer design based on nanotechnology. The metal-free solar control film for interior and exterior applications is wafer-thin at 0.058 mm, but consists of a multitude of transparent layers of acrylic and polyester in systematically changing order.

With this patented technology, more than 200 wafer-thin film layers are placed on top of each other. The result is a solar control film which is thinner than a Post-it sticker, but it still provides excellent solar performance values despite high light transmission.

This technology allows us to design superior solar control films without the use of metals. Using metal-free solar control films prevents interference of mobile phone reception indoors and eliminates any chance of corrosion of the film.

Contrary to conventional metallized films, the Prestige series has less reflection than window glass, even during twilight periods.

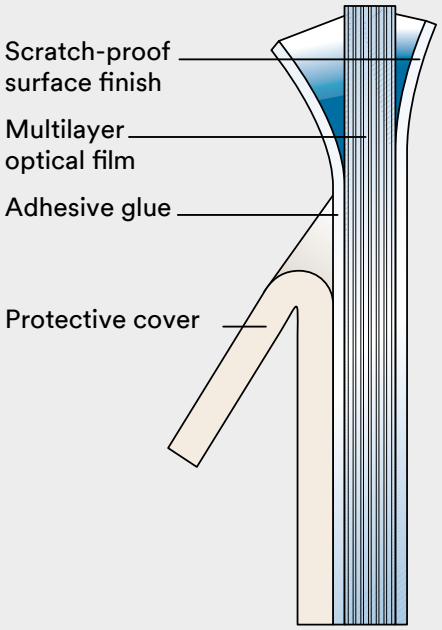
Due to its special adhesive system and unique, scratch resistant, durable surface, the Prestige Exterior Series are perfectly suited for long-term exterior applications.

With the application of 3M Solar Control Prestige Films, you will increase the value of your property long term.

Clear vision, optimum indoor climate and increased protection from UV radiation are true arguments.

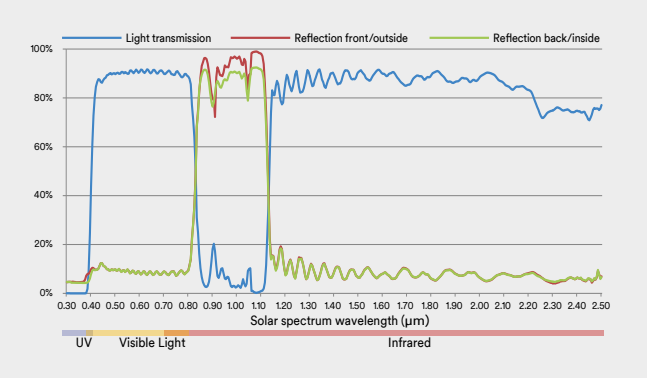
Typically 3M
3M is one of the leading worldwide manufacturers of innovative film solutions for solar control and safety requirements. Research and development are of special importance.

The design of the 3M Sun Protection Film Prestige 70 Exterior:

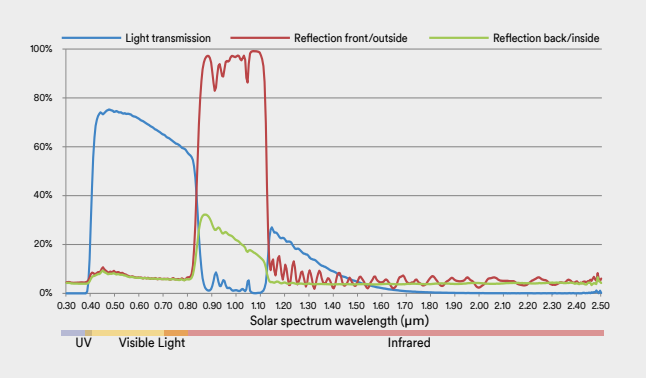


3M – quality, which makes the difference.

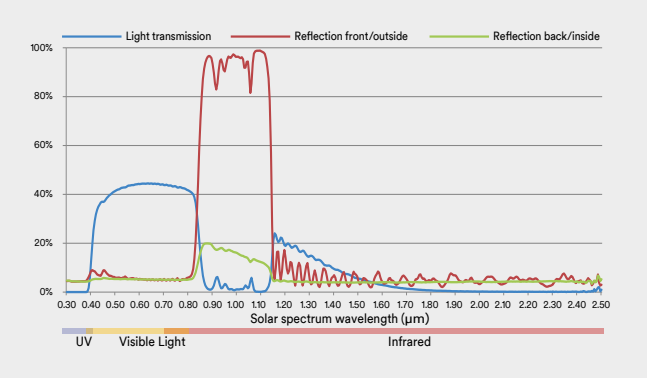
Prestige 90 Exterior



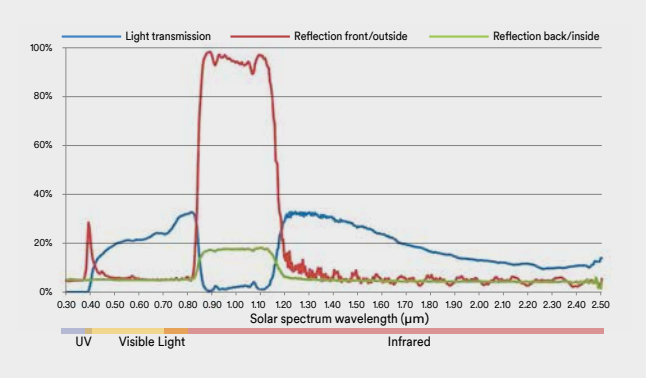
Prestige 70 Exterior



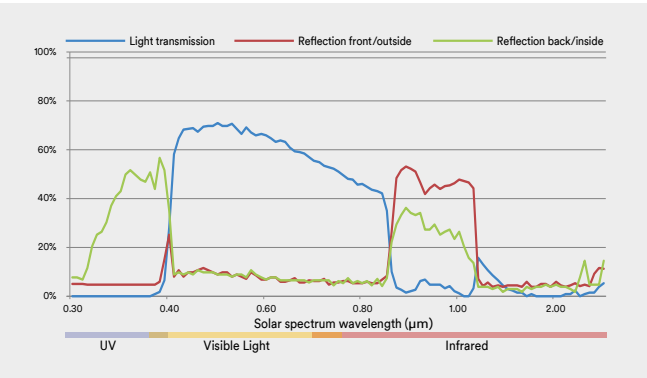
Prestige 40 Exterior



Prestige 20 Exterior



Prestige 70



Innovative heat protection in summer, hardly any heat loss during winter

The function values typical for glass are based on vertical installations - 90 degrees against horizontal. At an angle of 60 degrees, the efficiency factor in 3M Window Films is significantly higher than in comparable solar control window films. Due to the unique construction, Prestige Window Films reflect proportionally more sun energy at high than at low solar altitude. This means maximum protection from heat in summer and hardly any noticeable reduction during the winter months.

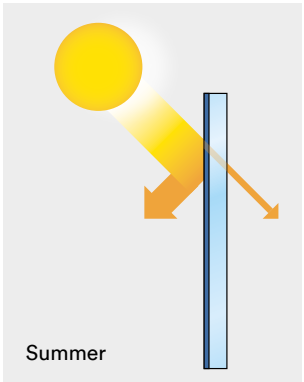
Reduced energy consumption and cost reduction

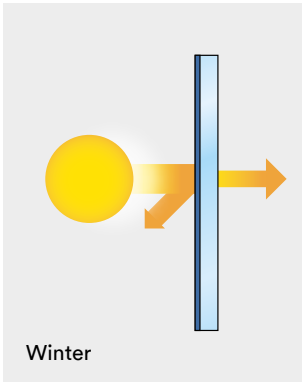
One essential advantage of the 3M Prestige Sun Protection film is the excellent heat protection for a significant reduction of the energy costs. It is therefore possible to forego expensive refitting of an air conditioning system. Equally, conventional shade-providing systems, which significantly reduce the incoming daylight, are a thing of the past.

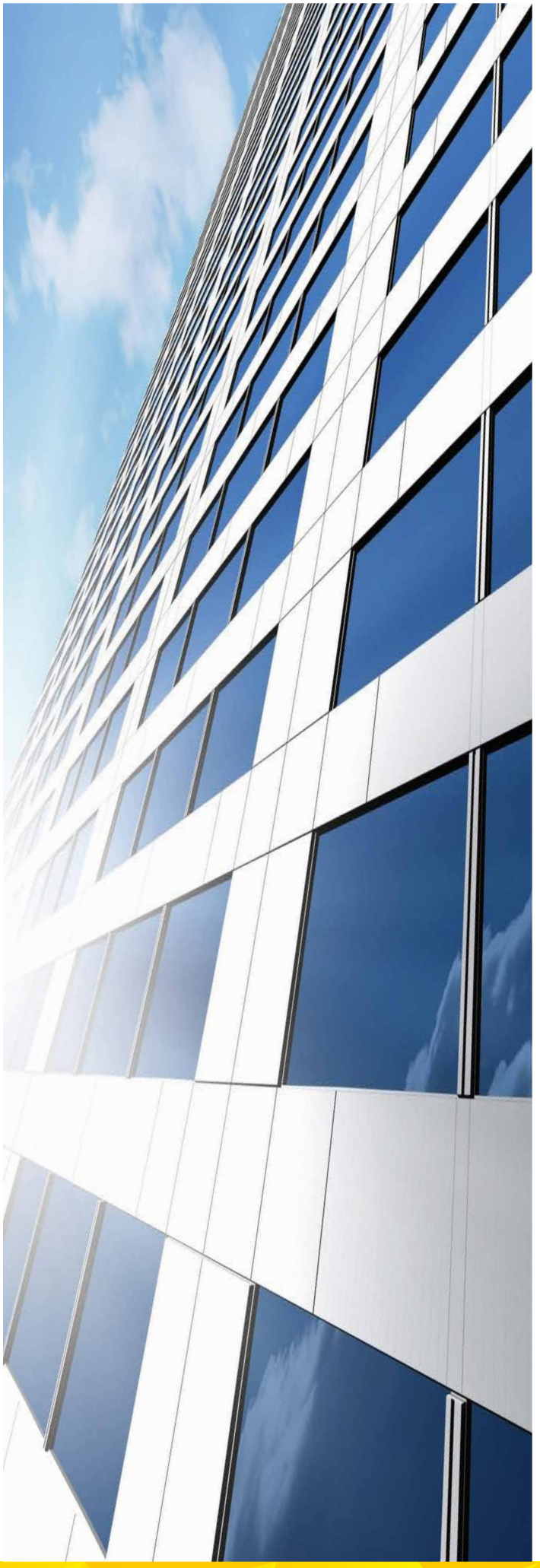
Optimum room climate for optimum productivity

A pleasant room climate and sufficient daylight guarantees continuously high efficiency. If the ideal temperature of 23 degrees Celsius in offices is exceeded, by just a few degrees, the ability to concentrate is significantly reduced.

With Prestige Sun Protection Films you benefit with optimum room temperatures and unlimited daylight.







3M Prestige Solar Control Films.

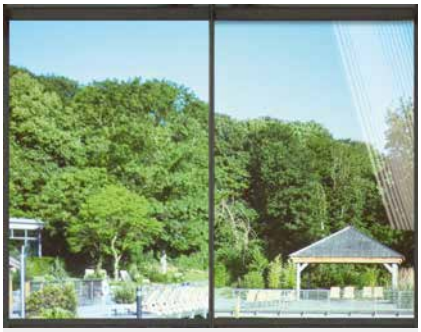
Optimising indoor climate and reducing costs.

Effective UV reduction for interior protection.

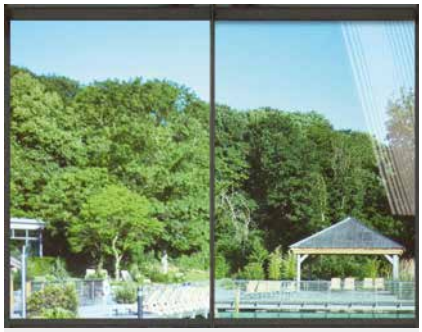
Damaging UV-A and UV- B radiation is responsible, to a large extent, for causing colours to fade. 3M´s solar control films help reduce damaging radiation almost entirely. They offer protection against the unwanted effects of solar radiation, helping valuable furnishings to maintain their appearance and colour in the long term.

High quality, unchanged building appearance with clear vision.

Prestige Solar Control Films function entirely without the use of metals. Therefore they are almost invisible to the naked eye. There are no unwanted mirror effects and the appearance of high class buildings maintain their prestige.



3M Prestige 90 Exterior*	
Transmission	78%
G Value	0.56
Solar heat gain reduction	21%
Selectivity**	1.39



3M Prestige 70*	Exterior	Interior
Transmission	63%	62%
G Value	0.39	0.56
Solar heat gain reduction	45%	21%
Selectivity**	1.62	1.1

3M Prestige 40 Exterior*	
Transmission	37%
G Value	0.29
Solar heat gain reduction	59%
Selectivity**	1.28

3M Prestige 20 Exterior*	
Transmission	18%
G Value	0.24
Solar heat gain reduction	66%
Selectivity**	0.75

* The performance data is based on a standard insulation glass composite.
** Selectivity is calculated from the ratio of light transmission to g-value. If selectivity is greater than 1, more light than heat is allowed to pass through the sun protection film.

3M UK Master Window Film Dealer

Solarshield Limited
Canada House
20/20 Business Park
St Leonards Road
Maidstone
Kent. ME16 0LS
Web: www.solarshield.co.uk
Email: info@solarshield.co.uk

Solarshield Limited Phone:
0845-1306232

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