

# Safety & Security Films



Increasingly, organisations are making more and more security based decisions. These can range from the protection of company assets against theft and vandalism to measures that reduce the damage of any potential terrorist activity. Consequentially, protecting brand confidence, employee morale and share price.

A building's glazing can often be seen as the weakest part of its structure. Used as part of an integrated security strategy, 3M™ Scotchshield™ Safety and Security Window Films can make valuable contributions to the protection of a company's employees, assets and important documents

Our range of safety and security films offer you high-tech protection against break-ins, vandalism, and flying glass fragments. The films bond easily to the inside of existing windows in both buildings and public transport. 3M Scotchshield safety film strengthens glass, making it more resistant to breakage.

## Blast Protection

Buildings close to a potential terrorist target may still be subject to substantial damage from an attack not specifically directed at them. Damage can often be more widespread and costly than first thought.

Complete technical systems may have to be overhauled due to glass fragments contaminating computers and fittings. After the Manchester bomb of 1996, 670 businesses were forced to relocate

Explosions do not only come from terrorist bombs. Petrochemical plant explosions are another cause of injury or even loss of life.

Blast studies show that most of the injuries to personnel in petrochemical facility explosions are the result of shards of glass flying through the air.

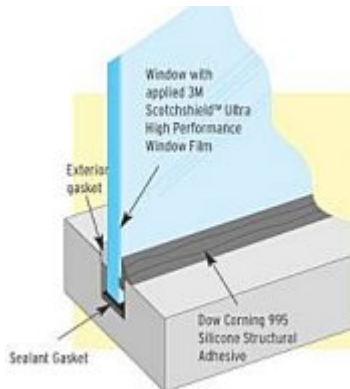
When shattered by an explosion, an ordinary window is broken into thousands of deadly airborne daggers.

According to Home Office figures, flying glass causes 90% of all injuries in an explosion.



These projectiles can travel at up to 40 metres per second. **3M™ Scotchshield™ Security Film** will not prevent glass breaking, but it can stop it travelling any significant distance, thus providing the following benefits:

- Reduced Personal Injury
- Reduced Collateral Damage
- Protection of Expensive Business Assets and Important Documents
- Ease of Clear Up – Reduced Expensive Business Downtime



## The Ultraflex™ System

When applied to glass, **3M™ Scotchshield™ ULTRA security film** can be anchored to the frame using Dow Corning® 995 Structural Silicone.

This increases the elasticity of the window making it capable of staying in one piece when subjected to impact.

## Can you afford not to?

3M Scotchshield security film not only protects your important assets but can also dramatically reduce clear-up and expensive business downtime.

## Counter-Intelligence

The use of wireless networks is becoming ever more popular. However, it is possible for this information to be downloaded via radio frequencies by people outside of the organisation.

**3M™ Scotchtint™ Amber Films** can be used to reduce the effects of Electro-Magnetic Interference (EMI) from mobile phones and radar where sensitive PC and medical equipment is used



## Privacy



**3M™ Scotchshield™ ULTRA security films** can be combined with metallic coatings to reduce both heat gain and glare, slow fading and provide visual security through privacy

Whilst still allowing natural light to illuminate interiors, **3M™ Privacy Films** can appear opaque from both inside and outside at all times of the day or night, or reflective from the outside during daylight hours only.

3M Privacy films provide visual security by inhibiting any unwanted viewing, hence reducing any criminal activity that might ensue.

## Anti – ‘Smash & Grab’ Protection



**3M™ Scotchshield™ ULTRA High Performance Security Film** is an essential part of a complete security system. The film's increased tensile strength, tear and puncture resistance can help to delay and deter 'smash & grab' crime by dramatically increasing the time and effort taken to gain entry through a window.

The majority of theft takes place in typically, under 30 seconds. Delaying the thief's entry will increase the chances of a break-in being noticed or even stopped.

3M Scotchshield ULTRA security film can be combined with a reflective one-way privacy coating to inhibit any unwanted viewing and security risk that might ensue.

## Anti Graffiti Glass Protection Films

These films are designed for both internal and external sacrificial use. They protect glazing from surface damage such as spray-painting, felt-tip pen, scratching and gouging.

The film provides a clear protective barrier and is frequently quicker and less costly to use than repairing or replacing the windows.

This reduces expensive downtime and lost revenue. Major uses are in both retail and transportation with the additional benefit of reduced fading of furniture and fabrics.



**Building & Commercial Services**

### 3M United Kingdom PLC

Customer service Centre  
Hudson Road  
Bedford MK41 0HR  
Tel: #44 (0) 1234 229657  
Fax: #44 (0) 1234 228594  
[CommcareUK@mmm.com](mailto:CommcareUK@mmm.com)  
[www.3m.com/uk/Windowfilm](http://www.3m.com/uk/Windowfilm)

### 3M Ireland PLC

3M House, Adelphi Centre  
Dun Laoghaire  
Co. Dublin, Ireland  
Tel: #00 353 1 280 3555  
Fax: #00 353 1 280 3509  
[CommcareUK@mmm.com](mailto:CommcareUK@mmm.com)  
[www.3m.com/uk/Windowfilm](http://www.3m.com/uk/Windowfilm)