



Introduction

ArmorShield Safety Organic Coating

The World of ArmorShield

In today's world of crime, violence, terrorism, accidents as well as natural catastrophic episodes where there is little respect for other people's lives or property, it becomes vitally necessary to find a practical solution to the biggest problem of all... How to protect ordinary glass economically against all kinds of violent assault.

ArmorShield has been developed as a solution to these very real problems.



A 0.38 calibre bullet cannot penetrate through this.

The Excellence of ArmorShield

Glass coated with ArmorShield is stronger and safer. The secret is ArmorShield's superior ability to stick to the glass, together with its high tensile strength of 28,000 psi and high elongation of 160%. This super aggressive adhesive system actually forms a molecular bond with glass. ArmorShield is designed to hold broken glass together, rather than just hold film onto glass surface. Strength and resilience is the result. Thus, even when the impact shatters the glass completely, ArmorShield will still hold the glass firmly together.



ArmorShield Safety Organic Coating

ArmorShield is a family of polyester laminated coatings made from Polyethylene Terephthalate (P.E.T.) It is located on one surface with an aggressive pressure sensitive mounting which is protected by a polyester release liner to be removed prior to application, and on the opposite surface, it is coated with anti-abrasive silicone coating to make it scratch resistant.

ArmorShield is available in clear, or in colours, (e.g. ArmorClear, ArmorGrey, ArmorBronze, etc). It is available in 0.1mm, 0.2mm, 0.3mm, 0.4mm thickness (Code 1, 2, 3, 4), providing users with various levels of protection options based on intended usage. For the vast majority of situations, ArmorShield recommends Code 1 to obtain best results at the most economical price. Code 2, Code 3 and Code 4 provide even greater security. They offer superior protection against penetration, thrown objects and physical attacks, and are in total compliance with Section 16 C.F. R. Part 1201-1984 and B.S. 6206: 1981.

ArmorShield has been designed to be applied to glass (i.e. windows, shelves, showcase, doors skylights, sliding doors) for the purpose of strengthening and stopping glass from fragmenting, spalling, collapsing or disintegrating.

Various benefits

ArmorShield against Crime

A burglar or looter can enter your home or business premises as easily as breaking a window or smashing display showcase. The loudest alarm system, even one with a direct police emergency line, will not stop him from grabbing valuables and getting away in minutes. Your possessions are in jeopardy, and, if you are on the premises, so is your life. Until now, the only solution is to turn your home or business premises into a prison with iron bars.

But space-age technology now offers a new way to security: ArmorShield glass. With ArmorShield, the glass is harder to break, and stays essentially in place even when broken. This makes it difficult and time consuming for the criminal to gain entrance. Robbed of time, and surprised by the window-resistance, the criminal tends to flee empty-handed.

ArmorShield against Violence and Terrorism

ArmorShield is of critical importance for banks, public buildings, embassies, communications centres and other structures which could be targets of bombings or of similar terrorist attacks. When impacted by explosive or other high-energy forces, windows break and pieces of glass become deadly flying missiles, capable of inflicting intense damage on people and property. The installation of ArmorShield can substantially reduce the risks caused by these deadly missiles of glass. ArmorShield makes working conditions safer, provides greater security and peace of mind for personal in problem areas.

ArmorShield against Industrial Accidents

Industrial accidents - such as explosions from chemical, fuels or escaping gases - are very real dangers. When these occur, ArmorShield limits the degree of personal injury and equipment damage.

Another serious consequences of these incidents are the expense resulting from medical bills and insurance claims. By providing added safety, ArmorShield also minimises these costs.

ArmorShield against Natural Disaster

Windows, in buildings are subjected to the violence of high winds, tornadoes, hurricanes and other natural occurrences. If the glass is penetrated during a storm, the interior pressure of the building could be upset leaving the rest of the building to be much more vulnerable and wreaking havoc.

ArmorShield against Accidents

ArmorShield against Home and Other Commercial Accidents, for example,

- walking through glass
- falling against a glass shower enclosure
- on a golf course or in a neighbourhood with children playing ball games

Solar Control too

ArmorShield is available in Security Solar Energy control colours that significantly reduce heat and glare, for example ArmorBronze and

ArmorGrey and etc. Thus, it offers the additional benefits of reduced energy costs, improved building appearance, employee comfort and satisfaction.

ArmorShield against Fading

ArmorShield contains in its adhesive system, ultra-violet inhibitors called Uvinol. It blocks out 99% (Tested by SISIR Singapore) of the Sun's damaging UV rays dramatically extending the service life of furniture, fixtures, fabrics and the likes.

Glass substance

ArmorShield is designed for use on most glass substances including ordinary glass, wired glass, laminated glass, heat toughened glass and tempered glass. When ArmorShield is retrofitted to laminated glass, it can prevent spalling from the inside of the glass following impact and when it is retrofitted to heat toughened glass or tempered glass, it will contain the glass particles, should the toughened glass or tempered glass be broken.

Thirty-five years of research & development

ArmorShield is the third generation improvement of a product invented in the United Kingdom and has been used as an anti-terrorist device in Europe for twenty-five years. New manufacturing techniques have finally made it economical for home and business use.

It has been thoroughly tested against shotguns, pistols, flame throwers, grenades and hand tools to phenomenal results.

Tests passed

ArmorShield is fully approved for upgrading existing glazing and new glazing to ANSI 97, 1-1975 and BS 6206: 1981 (Tested by SISIR of Singapore and IRL of Ontario, California).

Convenient installation, easy maintenance

In a minimal period of time, AIT (ArmorShield Installation Technician) can install ArmorShield on windows or glass doors without disturbing the normal work routine. Maintenance is easy. For best cleaning results use a mild detergent solution, cleaning with a Chamois, synthetic sponge or very soft paper towel. A rubber squeegee may be used. Do not wash ArmorShield for seven days after installation. Do not use brushes, or any type of abrasive cleaner.

ArmorShield durability and warranty

ArmorShield is preshrunk during the manufacturing process. It's adhesive system also contains Uvinol, thus it will not shrink or discolour even after many years of installation.

The aggressive adhesive system ensures that ArmorShield will remain bonded to the glass permanently. ArmorShield has also been coated on one side with anti-abrasive silicone coating which makes it scratch resistant.

Warranty shall be for ten (10)years for interior application against Peeling, Cracking, Crazing and Yellowing.

Conclusion

ArmorShield is a totally new concept in glass protection and it is ready to work for you right now. If you are concerned about security or the dangers of flying glass in your home, office, hotel or high rise building, contact us today. We will show you how ArmorShield can keep broken glass from becoming a shattering experience.

