

## Safe from harm.

Helios Exterior Clear Safety Film. An optimised solution if protection against glass breakage or deliberate attack is needed.

- Can help to **protect glass surfaces from damage and deliberate attack** such as etching with acid and scratching
- Special technology polymeric scratch resistant coating provides **increased durability and easier cleaning** (Patent pending)
- With its special dirt repellent Helios coating the glass not only **looks cleaner over a longer period of time, it is also much easier to clean**
- Can **reduce cleaning costs** and thereby help to **protect the environment**
- Excellent anti-UV protection integral to the polyester helps to **reduce fading of textiles, furniture and works of art**
- High visible light transmission allows **unobtrusive installation**
- Extremely well adapted to single, double and double low-E insulating glazing systems
- **Warranty 7 years vertical / 5 years sloping** (slopes 20 degrees or more from horizontal)\*

## About the Manufacturer

Eastman Chemical Company is a leading manufacturer and marketer of high performance films for automotive and architectural applications with one of the largest and most integrated manufacturing sites in the world, located in Martinsville, Virginia.

Eastman, through its window film business creates and manufactures products that improve the efficiency and performance of glass. Eastman offers one of the industry's widest arrays of film technologies, produced in a clean-room environment to ensure optimum quality.

With more than 55 years of experience in film production and technology, Eastman is dedicated to continuously investing in machinery, technology, and employee training to remain at the forefront of the industry.

LLumar® window films are distributed to nearly 100 countries worldwide. Production capabilities include color dyeing, sputtering, metallizing, solution-coating, laminating, and slitting. To help ensure our products are of the highest quality, we inspect our films using advanced testing equipment and procedures.

Our Quality Policy states that Performance Films Europe has a quality management system which complies with, and is accredited to, ISO 9001 : 2008: Certified in Europe by SGS United Kingdom Ltd. (Société Générale de Surveillance), certificate no. GB95/5381.



**EASTMAN**



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**Helios** Exterior Clear Safety Film

When it comes to Protection,  
the choice is clear.



New!  
Up to 1.83m  
**72"**  
roll width



New!  
Up to 1.83m  
**72"**  
roll width

A **clear safeguard**  
between you and disaster.

**Danger is ever-present. With Helios, protection is, too.**

Storms, earthquakes, explosions, vandalism. Both natural and man-made disasters could occur at any place, any time. Whether the threat comes from graffiti taggers, smash-and-grab thieves or heavy storms, the consequences to people and property can range from unsightly to costly to perilous. Help protect all your precious resources — human as well as financial — with Helios Exterior Clear Safety Film.

Made of a clear, heavy-duty polyester compound, Helios Exterior Clear Safety Film provides a thin, transparent barrier against these threats. Durable and easy to install, Helios Exterior Clear Safety Film provides a simple, cost-effective alternative to new safety glazing. And unlike obstructive physical barriers like bars, shutters or grates, Helios Exterior Clear Safety Film is virtually invisible, offering 24/7 protection for your views and design, as well as your property.

Professionally installed with minimal disruption, Helios Exterior Clear Safety Film can be an affordable alternative to safety glazing, making it an ideal security solution for retrofit projects as well as new construction.

Verified by independent laboratories in accordance with accepted testing methods, Helios Exterior Clear Safety Film meets criteria established by the industry's most respected organisations, including European standards. In short, when put to the test, Helios Exterior Clear Safety Film performs.

### Safety & Security / Anti Vandalism

Installing Helios Exterior Clear Safety Film can help protect people and objects from shards of glass if the glass is ever broken. This means that the appropriate glass, once installed, can later be upgraded to meet the legal standards that apply under EN 12 600\* (for instance, in schools and day care centres, sports facilities, and public buildings).

Helios Exterior Clear Safety Film can help increase the resistance of glass to breakins, vandalism, and explosion shock waves.

- Increased glass durability.
- Helps hold broken pieces of glass together - greater protection from break-ins.

Helios Exterior Clear Safety Film is now one of the front-running solutions to cost-effectively mitigate damage. These specially designed films, nearly invisible once installed, can provide a removable, sacrificial surface that can reduce or eliminate the need for expensive glass replacement.

The installation of Helios Exterior Clear Safety Film usually only costs a fraction of the replacement of a single window.

- Nearly invisible, once installed.
- Removable, sacrificial surface.
- All Helios Exterior Clear Safety Films can be used for external or internal installation.

**Helios** Exterior Clear Safety Film



\* LLumar Helios SHE CL ER PS7 tested by Wintech Engineering Ltd, Telford, UK according to EN 12 600, classified as 2B2 on the filmed face and 2B2 on the plain face, Test Report No. R11202, 24.11.2010.