

SOLARTEK FILMS LTD

PLATINUM RIGID EDGE RETENTION ANCHORING SYSTEM

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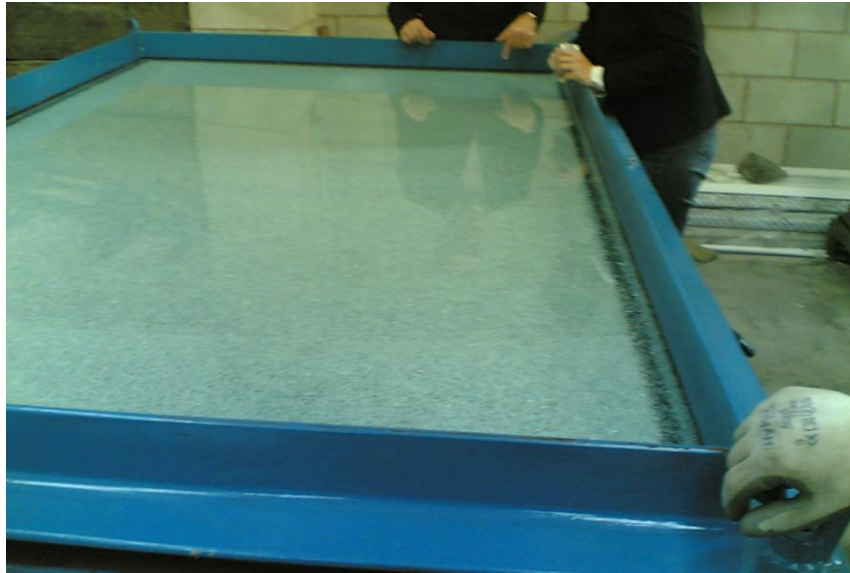
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Solartek Rigid Edge Retention Anchoring Systems



The advantages of high-tensile strength window film is further increased when used in conjunction with edge-retention, providing an all important anchor.

Anti-shatter film in combination with edge-retention anchoring will provide:

- Increased protection in the event of high velocity blast
- Enhanced safety and security protection
- Protection in the event of unpredictable spontaneous glass failure
- Enhanced protection and reduced destruction in the event of hurricane storms and flying debris

ANCHORING SYSTEMS, CHOOSING THE RIGHT ONE FOR THE JOB

- Rigid systems are available in different finishes and colours and suitable for either internal or external application

The precious element in enhanced protection

The correct edge-retention system for the job...

When glass fails, it presents two major threats

Flying shards of glass can produce lethal projectiles causing severe harm to people

In addition, window openings that have been breached leave your building open to the elements and unsecured

Platinum Rigid Edge Retention Anchoring Systems

A retrofit solution using a very high bonding adhesive system, this edge-retention system has been designed to absorb and transfer impact load evenly across the system without deterioration, helping to retain glass fragments and reduce the likelihood of injury

Our range of Framelok and Anglelok Edge Retention systems, in conjunction with our safety films or existing compliant safety film installations, ensures a resistance to repeated attack whether in the event of an attempted break-in and security threat or blast mitigation and resistance to glass failure due to unexpected spontaneous failure or windborne debris

Designed to absorb and dissipate the impact load providing enhanced protection for the occupants of a building and potentially the continuance of business!

Platinum Rigid Edge Retention Anchoring Systems

In the event of high-velocity blast attack, flying shards of glass can have a devastating effect causing injury and even death for a building's occupants. When windows, doors and overhead glazing fail, the blast overpressure from an attack will enter the building taking shards of glass with it but also again leaving your building and business open to the elements creating further havoc and destruction

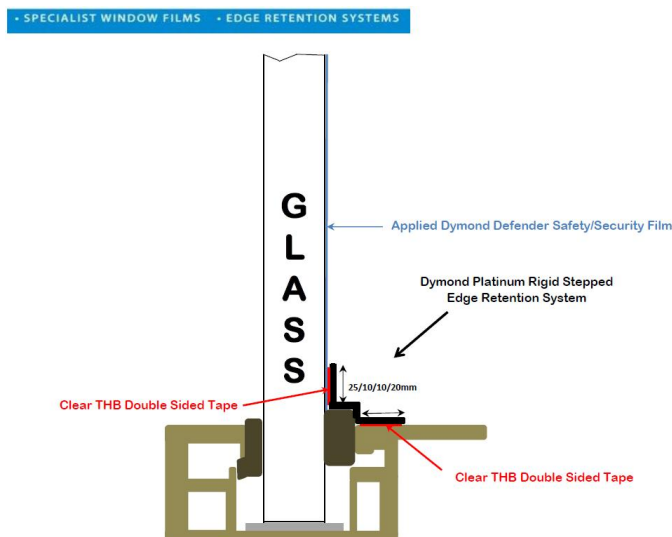
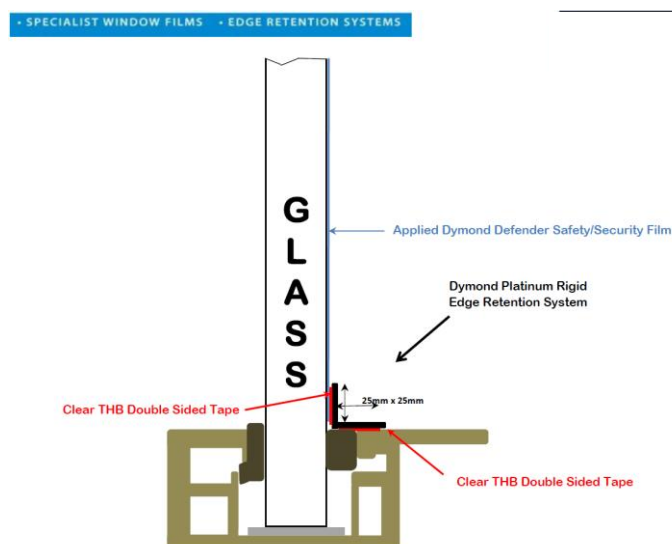
Tested and proven to provide a high degree of protection in explosion range trials

Also tested to the Glass and Glazing Federation's Recommendation 5.18.5 for Adhesive backed Polymeric Film Applied to Glass in the Overhead Position for Containment of Glass in the Event of Failure:

Utilising a very high-bond adhesive system ensures enhanced protection

Available in a range of colours to match existing mullions and ensure continued aesthetics

An upgrade opportunity for all existing filmed glazing to ensure enhanced protection



For further information on these and other Film and Anchoring Systems or to request Technical product specification data or samples, contact our experienced team today

PLATINUM RIGID EDGE RETENTION ANCHORING SYSTEM

TESTING + CERTIFICATIONS

GGF STANDARD 5.18.5

Clear Safety Film Certified to BS EN 12600 Class 1B1 fitted with Platinum Rigid Edge Retention Anchoring System has passed the GGF Standard 5.18.5 "GGF Recommendations for Adhesive Backed Polymeric Film Applied to Glass in the Overhead Position for the Containment of Glass in the Event of Failure: Test Method" for Self Load, Uniform Load and Weather Tightness



BLAST MITIGATION: ISO 16933 & GSA STANDARDS

Dymond Products Ltd had a requirement to test different combinations of glass and window film in support of ongoing research. On 14th March 2011 a series of explosive trials were performed to assess the performance of the targets provided by Dymond Products Ltd.

Test Facilities: The trials were managed by SJH Projects Ltd at the facilities of Ordnance Test Solutions Ltd in Faldingworth, Lincolnshire UK. This facility is fully accredited and is a major supplier of testing to the UK Government and Ministry of Defence as well as a wide range of commercial customers

The performance of the targets was defined according to the 'US General Services Administration, Standard Test method for Glazing and Window Systems Subject to Dynamic Overpressure Loadings' and in accordance with ISO 16933 Open Arena Blast Test

Test Designation: Dymond Products F6

CL200micron Safety Film Standard Daylight Application in accordance with GGF Standards + Dymond Rigid Edge Retention System
Peak Reflected Overpressure 1.62 Bar / 23.496 PSI

Result: Performance Condition 1

Comments: Major cracking but no penetration



Test Designation: Dymond Products F6	
Date: 14th Mar 2011	Location: OTS Faldingworth
Target Configuration: 6mm Annealed Glass internally beaded. Clear 200micron (8Mil) Safety/Security Window Film. Standard daylight application in accordance with Glass and Glazing Federation standards and Dymond rigid edge retention system.	
Charge: 250g C4 Hemisphere	Distance: 2m Horizontal
Peak Reflected Overpressure: 1.620 Bar / 23.496 PSI	
Result: Performance Condition 1	
Comments: Major cracking but no penetration.	



- As in accordance with GGF Data Sheet 5.18.6 "GGF Recommendations for Blast Mitigation: Adhesive Backed Polymeric Film Applied to Glass"



PLATINUM RIGID EDGE RETENTION ANCHORING SYSTEM

AFTER CARE INSTRUCTIONS

MAINTENANCE AND CLEANING INSTRUCTIONS

Platinum Rigid Edge Retention Anchoring System is a low maintenance product however during normal window film cleaning practices (*see below*) the system must be fully dried making sure that no residual cleaning agent or moisture remains in contact with the system.

Please note the following:

WINDOW FILM CARE AND MAINTENANCE

To obtain maximum service life from your product, please note the following instructions for proper care and maintenance.

CLEANING

Do not clean the film for 30 days after installation. This will help secure proper curing of the special Pressure Sensitive mounting adhesive to the glass.

CLEANING SOLUTIONS

Most glass cleaners will work well although a good economical cleaning solution for window film is 1/2 fl oz liquid soap added to 1 quart of fresh water.

CLEANING MATERIALS

Always use fresh clean soft materials to wash and dry your window film surfaces. A soft cloth and clean synthetic sponge is recommended for washing the window film followed by another clean soft cloth or soft rubber squeegee for drying. To avoid scratching the window film, do not use bristle brushes, abrasive scrubbing sponges, or any cleaning materials that may have been contaminated with dirt particles, as is commonly the case when washing interior and exterior windows with the same cleaning materials. Some brands of paper towels are coarse enough to put fine scratches in the film, even films with a protective hard coat finish. While these scratches may be too thin to be seen at the beginning, they can damage the polished look of the film overtime.

PLATINUM RIGID EDGE RETENTION ANCHORING SYSTEM

WARRANTY

The Rigid Edge Retention Anchoring System shall be warranted for a maximum period not exceeding 10 years from date of installation

Warranty is subject to full compliance with the fitting instructions and only when installed by an approved contractor

The Rigid Edge Retention Anchoring System is warranted against delaminating, peeling, cracking, bubbling or discolouring

WARRANTY IS SUBJECT TO THE FOLLOWING CONDITIONS:

- The system is installed following the application of an appropriate and approved adhesive backed polymeric window film of minimum 175 μ (7Mil) / 200 μ (8Mil) or thicker and Certified to BS EN 12600 Class 1B1 'Glass in Building – Pendulum Test – Impact Test Method and Classification for Flat Glass'
- The Warranty of any newly applied adhesive backed polymeric window film being at least 10 years from date of installation
- Where adhesive backed polymeric window film already exists the Rigid Edge Retention Anchoring System Warranty shall only be valid for the remaining period of the warranty applicable to the existing window film which must be a minimum 175 μ (7Mil) or 200 μ (8Mil) or thicker and Certified to BS EN 12600 Class 1B1
- For warranty purposes evidence of the remaining warranty period of any existing adhesive backed polymeric window film must be provided

WARRANTY CERTIFICATE

Subject to compliance with the above conditions a warranty certificate will be issued once installation has been completed

Full details of the project title, site address, client name, main contractor, installing company and installation completion date are required