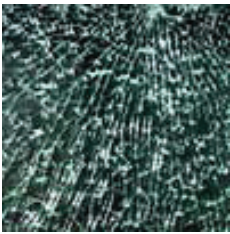


# Glass Hazard Mitigation Systems - Fragment Retention Film Option

## Introduction

Glass hazard mitigation systems are designed for reducing personal injury in the event of a bomb blast or severe weather event or for reducing loss of property in the event of a theft attempt. These systems accomplish this by mitigating the potential for flying window glass fragments if an event were to occur.



There are several glass hazard mitigation systems. System selection for each project is dependent on the project's requirements and the existing site conditions. Systems are typically installed as a retrofit to existing windows; however, the systems can be installed as new construction to new windows.

## System Configuration Options

Fragment Retention Window Film (FRF) installed in a Daylight configuration.

- FRF is installed to the daylight area of the window only.

FRF and silicone installed in a Wet Glaze Attachment configuration

- FRF is installed to the daylight area of the window and silicone is installed around the perimeter on all four sides overlapping the edge of the FRF, creating a chemical attachment to the window frame.

FRF and a Mechanical Attachment System installed in a Mechanical Attachment configuration

- FRF is installed to the daylight area of the window leaving excess FRF. The Mechanical Attachment System, along with the excess FRF, is mechanically attached to the window frame. Systems can be a one-sided, two-sided, or 4-sided Mechanical Attachment configuration.