

# SAFETY AND SECURITY FILM ATTACHMENT SYSTEMS



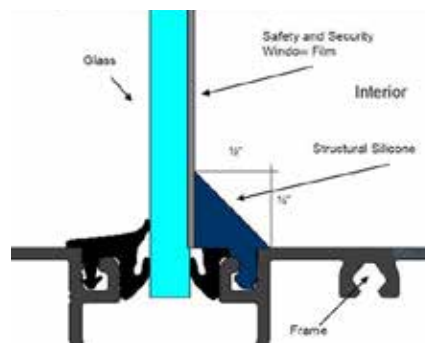
THE LEADING MANUFACTURER AND  
MARKETER OF HIGH PERFORMANCE  
WINDOW FILM

There are several types of attachment systems used within the window film industry. An attachment system is a method to help hold broken glass and film in the window frame during an event. The event can be a bomb blast, windstorm or attempted forced-entry.

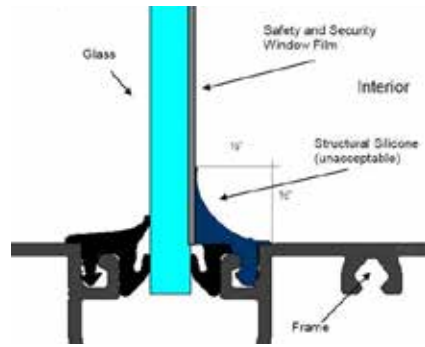
One type of attachment system is structural silicone caulking (Dow Corning 995 or similar) simultaneously applied over the window film and window frame forming a strong bond that helps hold the broken glass and film to the frame during impact (see diagram below). Other attachment systems may be used as well, however, Eastman Performance Films, LLC recommends a silicone attachment system for forced-entry protection as we have successfully completed several demonstrations using this type of system.

Internal testing indicates that a window with safety and security film with an attachment system installed approximately doubles the amount of time for an intruder to gain entry compared to a window that has film applied without an attachment system.

Proper application of structural silicone caulking (Dow Corning 995 or equivalent) to both safety and security film and window frame surfaces:



Improper Attachment System installation  
(curved bead):



Curing time for the silicone depends upon temperature and humidity. Do not clean the film or frame for at least 30 days following installation of the silicone. Full cure of the silicone should occur within 30 days following installation.

Depending on the thickness of the bead used, it will take approximately one (1) standard caulking cartridge (10.3 fl oz. or 305 ml) for every 5 to 7 feet (roughly 2 meters) of frame perimeter to be sealed.

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