

Specifications for 3M™ Ultraflex Window System

Scope:

The 3M™ Ultraflex Window System is designed to enhance the overall performance of an Impact Resistant Glazing System. Specifically, it is the unique combination of 3M's tough, flexible micro-layered Scotchshield™ Ultra Security Window Film with a durable and flexible silicone structural adhesive. It has been demonstrated to perform very well when tested for blast mitigation, windstorm resistance, and smash & grab deterrence. It is also believed that it can increase the performance for seismic occurrences.

Products:

3M Scotchshield Ultra Security Window Film, Ultra 400 Series, are tough, optically clear, 26 micro-layered, tear-resistant, abrasion resistant security window films exhibiting the following features:

- Excellent adhesion to most clean ordinary glazing surfaces including annealed, heat-strengthened, and thermally tempered glass.
- The special high mass, high-strength flexible adhesive is UV protected and once cured, bonds the film as an optically clear, durable, impact-resistant surface on the glass.
- The surface of the film has an abrasion resistant coating to resist against normal surface abrasions.

(For complete information, see specifications for 3M Scotchshield Ultra Film).

Dow Corning 995 Silicone Structural Adhesive is a one-part, self-priming, shelf-stable, neutral-cure, ready-to-use elastomeric material specifically formulated for silicone structural glazing, exhibiting the following unique features:

- Excellent unprimed adhesion to glass, anodized aluminum, 3M Scotchshield Ultra Film, and several paints.
- Cures to extremely tough elastomeric rubber
- Once cured, this adhesive forms a durable, flexible, watertight bond.

(For complete information, see specifications for Dow Corning 995).