

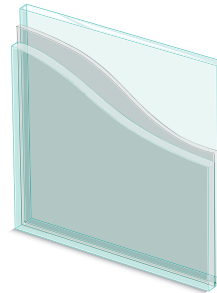
# StormGlass™ Hurricane-Resistant Glass — where innovation meets “no-excuses” reliability.



In independent testing, StormGlass™ met test requirements for large glass sizes up to 50 square feet. That means the freedom to design larger glazed openings while meeting the most stringent building codes for hurricane-resistance. And unlike traditional hurricane-resistant glazing, StormGlass™ is quick and trouble-free to produce. It's that kind of consistent innovation and reliable service you've come to expect from Oldcastle BuildingEnvelope™.

## StormGlass™ Superior Technology

Our advanced interlayer technology is the thinnest of its kind in the hurricane-impact glazing market. StormGlass™ also features very high elastic modulus together with improved adhesion to glass. The benefits? StormGlass™ not only affords the highest levels of protection, but also doesn't compromise the optical quality of the glass.



In independent laboratory testing, StormGlass™ withstood design pressures in excess of 100 psf.



## StormGlass™ Characteristics

- Meets the requirements for large missile and cyclic wind load.
- Tested at sizes up to 50 sq. ft.
- Tested at design pressures in excess of 100 psf.
- Rigid interlayer providing low deflection under cycling test.
- High adhesion between glass and interlayer.
- Interlayer insensitive to test temperature.
- Meets requirements of Miami-Dade Protocols PA 201, PA 202, PA 203.
- Meets requirements of Florida Building Code Protocols TAS 201, TAS 202, TAS 203.
- Meets requirements of ASTM E1886 and ASTM E1996.
- Can be used in four-sided structurally glazed applications.
- Available in insulating glass configurations.

## Properties

**Typical Commercial Configuration:** 1/4" Heat-Strengthened Glass / 0.075" (1.90mm) StormGlass™ / 1/4" Heat-Strengthened Glass

**Typical Residential Configuration:** 1/8" Annealed Glass / 0.075" (1.90mm) StormGlass™ / 1/8" Annealed Glass

## Sizing

**Maximum Producible Size:** 72" x 190"

**Minimum Size:** 12" x 12"

## StormGlass™ Meets or Exceeds the Following Standards

|                                |   |
|--------------------------------|---|
| <b>UL 972</b>                  | Burglary-Resistant Glazing                |
| <b>ASTM F1233 Class 1</b>      | Standard Test Method for Security Glazing |
| <b>CPSC 16 CFR 1201 Cat II</b> | Safety Glazing                            |
| <b>ANSI Z97.1</b>              | Safety Glazing                            |

## Product Configuration

| Outboard Lite | Interlayer      | Inboard Lite | Minimum Thickness | Average Thickness | Maximum Thickness | Weight lbs/sq ft |
|---------------|-----------------|--------------|-------------------|-------------------|-------------------|------------------|
| 1/8" (3mm)    | 0.075" (1.90mm) | 1/8" (3mm)   | .301              | .325              | .347              | 3.8              |
| 3/16" (5mm)   | 0.075" (1.90mm) | 3/16" (5mm)  | .431              | .445              | .477              | 5.3              |
| 1/4" (6mm)    | 0.075" (1.90mm) | 1/4" (6mm)   | .509              | .521              | .567              | 6.8              |

**Notes:** For hurricane-resistant glazing applications StormGlass™ should be used as a component in a tested system. The actual glass thickness and the maximum size is determined by this system testing. When insulating glass is required, StormGlass™ should preferably be used as the inboard lite of the unit.

## Technical Assistance

Oldcastle BuildingEnvelope™ has extensive experience in the design and testing of hurricane-impact glazing systems. Our technical department is available to offer guidance in the correct use of StormGlass™ in order to maximize the performance of the glazing system.

## Storage

StormGlass™ should be stored as other laminated glass in a cool, dry location. Deliveries of StormGlass™ should be scheduled so that it is not stored at the job site for more than 30 days.

## Cleaning and Maintenance

StormGlass™ should be cleaned and protected like any other glazing product. The installer should take steps to ensure that the surfaces are protected against possible damage by other trades and construction practices.

For routine cleaning, use a mild soap or detergent and luke-warm water. Uniformly spray cleaning solution and apply with a clean soft lint-free applicator and rinse thoroughly. Dry the glass surface with a clean grit-free cloth or squeegee. *Never allow any metal or hard parts of the cleaning equipment to come into contact with the glass surfaces.*

## Specification Guidelines

Glass shall be StormGlass™ by Oldcastle BuildingEnvelope™ and be comprised of 1/4" heat-strengthened glass–0.075" StormGlass™ interlayer–1/4" heat-strengthened glass and meet the requirements of CPSC 16 CFR 1201 Cat II, ANSI Z97.1, ASTM F1233 Class 1 and UL 972. Glass shall be permanently marked with the manufacturer's logo. For full specification or more information, call 1-866-OLDCASTLE (653-2278) or log on to [www.oldcastlebe.com](http://www.oldcastlebe.com).