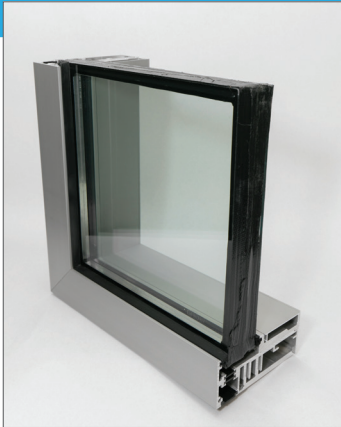


# STORMDEFEND TTH600 TORNADO & HURRICANE STORM SHELTER THERMAL WINDOW SYSTEM



Innovative window solutions for tornado and hurricane protection.

## PRODUCT DESCRIPTION

THIS WINDOW SYSTEM IS DESIGNED AND CERTIFIED FOR USE IN TORNADO AND HURRICANE SAFE ROOMS/STORM SHELTERS MEETING **FEMA P361-15** AND **ICC 500-2014** STANDARDS. IT IS CRITICAL THIS SYSTEM BE USED IN CONJUNCTION WITH EQUIVALENT PERFORMANCE SUBSTRATE/ WALL AREAS.

## FRAME DIMENSIONS

- 6" framing system
- Head, jamb, sill 2 ½" x 6"
- Mullion and intermediate horizontal members 3 ¼" x 6"

## AVAILABLE CONFIGURATIONS

- Single Lite – UL Certification ZHLA.52
- Ribbon Window with Vertical or Horizontal Mullions – UL Certification ZHLA.55
- Four-Lite with Horizontal and Vertical Mullion – UL Certification ZHLA.56

**NOTE:** In accordance with ICC500-14 minimum and maximum sizes of each window configuration require testing. Please contact Insulgard to ensure job specific sizes and configurations fall within testing/certification restraints.

## FEATURES

- UL Listed and labeled in accordance with ICC 500-14
- Glazed with 2" thick TOR-GARD 30-IG glass
- Thermally broken framing system
- UL 752 Level 3 bullet resistant
- Anodized or painted finishes
- Completely fabricated and shipped fully assembled for easy installation
- Job specific anchorage requirements provided
- Designed for conventional installation and glazing methods

## TESTING / CERTIFICATION

- Tested and certified by UL to meet ICC 500-14 and FEMA P-361-15 requirements for use in tornado and hurricane safe rooms and shelters, including in the 250mph wind zone.
- Tested by UL for bullet resistance meeting UL 752 levels 3. Proof of testing can be found at [www.ul.com](http://www.ul.com) under on-line listings.
- Thermal analysis conducted by UL utilizing NFRC test methods including ANSI/NFRC 100-2014, ANSI/NFRC 200-2014, NFRC 500-2014 and Therm 7 / Windows7 NFRC. Results available upon request.

## CONSTRUCTION

- Components to be constructed from extruded aluminum 6061-T6 alloy temper or equivalent
- Fasteners to be stainless steel type 302 or 304
- Interior/Exterior glazing gaskets to be EPDM sponge and wedge
- All joints and connections will be tight, providing hairline joints and true alignment of adjacent members.
- Weep design to allow for water to exit the exterior at the sill
- Anchors to be fully concealed

## APPLICATIONS

- Schools
- Law Enforcement Facilities
- Fire and Rescue Facilities
- Emergency Operations Centers
- Community Shelters
- Corporate Headquarters
- Storm Shelters
- Safe Rooms