

# TEXAS DEPARTMENT OF INSURANCE

Engineering Services / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104  
Phone No. (512) 322-2212 Fax No. (512) 463-6693

---

## PRODUCT EVALUATION WIN-212

Effective October 1, 2007

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation 3 years after the effective date.*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

### **Series 8310 Fixed Thermally Broken Aluminum Windows, New Construction and Replacement Windows, Non-impact Resistant, manufactured by**

**Don Young Company, Inc.**  
**1244 Round Table Drive**  
**Dallas, Texas 75247**  
**(214) 630-0934**

will be acceptable in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

### **PRODUCT DESCRIPTION**

The Series 8310 windows are thermally broken fixed aluminum windows. The aluminum fixed windows evaluated in this report are individual, non-impact resistant windows. This evaluation report includes both new construction and replacement windows. The aluminum fixed windows specified in this report are based on the following tested construction:

#### **General Description:**

System	Description	Rating
1	Series 8310 Aluminum Fixed Window	F-C60 60 x 77

#### **Product Dimensions:**

System	Fixed Window Size
1	60" x 77"

#### **Glazing Description:**

System	Glass Construction <sup>1</sup>	Glazing Method <sup>2</sup>
1	IG-1	GM-1

Note: <sup>1</sup> See the "Glass Description Key" for the glazing construction.

<sup>2</sup> See the "Glazing Method Key" for the glazing method description.

**Glazing Description Key:**

IG-1: Sealed insulating glass units. The sealed insulating glass units are comprised of two  $\frac{3}{16}$ " annealed glass lites separated by a desiccant-filled stainless steel spacer system.

**Glazing Method Key:**

GM-1: The insulating glass unit is set from the interior against a structural silicone bedding compound. Along the interior, the insulating glass unit is held in place with aluminum snap-in glazing beads.

**Frame:** The frame is manufactured from 6063-T5 extruded aluminum alloy. The frame is thermally broken. The frame corners are coped, butted, and fastened with two No. 8 x 1" pan head screws. The frame corners are sealed with narrow joint seam sealer.

**Product Identification:** A certification program label (AAMA) will be affixed to the window. The certification program label includes the manufacturer's code name (**DY-1**); product name: **Series 8310 PW**; performance characteristics; and approved inspection agency to indicate compliance with AAMA/NWWDA 101/I.S.2.

**LIMITATIONS**

**Design pressures:**

System	Maximum Width (in.)	Maximum Height (in.)	Design Pressures (psf)
1	60	77	± 60

**Impact Resistance:** These window assemblies do not satisfy the Texas Department of Insurance's criteria for protection from windborne debris. These window assemblies will need to be protected with an impact protective system when installed in areas where windborne debris protection is required.

**Acceptance of Smaller Assemblies:** Window assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.

**INSTALLATION INSTRUCTIONS**

**General:** The window assembly shall be installed in accordance with the manufacturer's installation instructions and this product evaluation. Detailed drawings and installation instructions are available from the manufacturer.

**Installation (Replacement window):** The wall framing shall be minimum Southern Yellow Pine dimension lumber. The window assembly shall be secured to the wall framing using the window frame with minimum No. 10 x  $2\frac{1}{2}$ " screws. Along each side jamb, a minimum of 4 fasteners are required, evenly spaced. Along the head and sill, a minimum of 4 fasteners are required, evenly spaced. All fasteners shall be long enough to penetrate a minimum of  $1\frac{1}{2}$  inches into the wall framing.

**Installation (New construction):** The wall framing shall be minimum Southern Yellow Pine dimension lumber. The window assembly shall be secured to the wall framing using the nailing fin with nails (minimum  $2\frac{3}{8}$ " x 0.120" smooth shank). The fasteners shall be spaced approximately 1 inch from each corner, approximately 15 inches on center along the side jambs, and approximately 8 inches on center along the head and the sill. All fasteners shall be long enough to penetrate a minimum of  $1\frac{7}{8}$  inches into the wall framing.

**Note:** The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.