

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION
 WIN-1658

Effective Date: November 1, 2012
 Reevaluation Date: **July 2013**

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 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.

Wood Direct Set Windows, Rectangle, Circle Top, and Mulled, Non-Impact Resistant, manufactured by

Hurd Windows and Doors
575 South Whelen Avenue
Medford, Wisconsin 54451
Telephone: (715) 748-2011

General Description:

System	Description	Label Rating	Design Pressure Rating (psf)
1	Wood Direct Set Window; O	CW-PG50 98 x 60 FW-C50 98 x 60	+50/-65
2	Wood Direct Set Circle Top Window; O	CW-PG50 98 x 60 FW-C50 98 x 60	+50/-65
3	Wood Direct Set Mulled Windows; O.O	LC-PG50 96 x 84 FW-C50 96 x 84	+50/-65

Product Dimensions:

System	Overall Size	Daylight Opening Size
1	98" x 60"	96 1/4" x 58 1/4"
2	98" x 60"	95 13/16" x 57 21/32"
3	96" x 84"	Two: 46 1/4" x 82 1/4"

Product Identification (Certification Label on Window):

System	Certification Agency	WDMA
1	Manufacturer's Name or Code Name	Hurd Windows and Doors
	Product Name	Wood Direct Set
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

Product Identification (Certification Label on Window) - continued:

System		
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Hurd Windows and Doors
	Product Name	Wood Direct Set Circle Top
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05: AAMA/WDMA/CSA 101/I.S.2/A440-08
3	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Hurd Windows and Doors
	Product Name	Wood Direct Set Mulled
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05: AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System 1 (Brickmould): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the brickmould of the window. Along the head and side jambs, the fasteners shall be minimum 2 ½" long x 0.113" smooth shank nails. The fasteners shall be spaced approximately 10-12 inches from each corner and 10-12 inches on center. Along the sill, the fasteners shall be minimum 3" long x 0.113" smooth shank nails. The fasteners are spaced approximately 6 inches from each corner and approximately 6 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 1 (screws thru frame): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the frame of the window with minimum No. 10 x 2 ½" long screws. The fasteners shall be spaced approximately 6 inches from each corner and 16 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2 (Brickmould): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the brickmould of the window. Along the circle top, the fasteners shall be minimum 2 ½" long x 0.113" smooth shank nails. The fasteners shall be spaced approximately 10-12 inches from each corner and 10-12 inches on center. Along the sill, the fasteners shall be minimum 3" long x 0.113" smooth shank nails. The fasteners are spaced approximately 6 inches from each corner and approximately 6 inches on center. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 2 (screws thru frame): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the frame of the window with minimum No. 10 x 2 ½" long screws. The fasteners shall be spaced approximately 6 inches from each corner and 16 inches on center along the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 3 (Brickmould): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the brickmould of the

window. Along the head and side jambs, the fasteners shall be minimum 2 ½" long x 0.113" smooth shank nails. The fasteners shall be spaced approximately 10-12 inches from each corner and 10-12 inches on center. Along the sill, the fasteners shall be minimum 3" long x 0.113" smooth shank nails. The fasteners are spaced approximately 6 inches from each corner and approximately 6 inches on center. At the head and sill, two (2) No. 10 x 3" screws are required on either side of the vertical mull, spaced 3 inches and 6 inches from the mull. The fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing.

System 3 (screws thru frame): The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The window shall be secured to the wood wall framing using the frame of the window with minimum No. 10 x 2 ½" long screws. The fasteners shall be spaced approximately 6 inches from each corner and 16 inches on center along the perimeter of the window. At the head and sill, two (2) No. 10 x 3" screws are required on either side of the vertical mull, spaced 3 inches and 6 inches from the mull. The fasteners shall be long enough to penetrate a minimum of 1 ½ 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.