

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION EC-63

Effective May 1, 2011

The following product has been evaluated for compliance with the wind loads specified in International Residential Code (IRC) and the International Building Code (IBC). This product shall be subject to reevaluation February 2014.

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.

Vinyl Siding Products manufactured by

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Paris, Ontario N3L 3T2
Canada
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are acceptable for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

This product evaluation applies to the following products:

Horizontal Siding:

- D4.5 Horizontal
- D4.5 Dutchlap
- D5 Dutchlap

Vertical and Soffit Siding:

- Board and Batten
- D5 Vertical
- T4 Soffit
- D5 Soffit

INSTALLATION INSTRUCTIONS

General Installation Requirements:

All fasteners shall be corrosion resistant. Nails shall be driven in the center of the nailing slot, leaving a minimum $\frac{1}{32}$ inch space between the fastener head and the vinyl siding.

As a minimum, exterior surface of the wall shall be sheathed with structural sheathing as specified in this evaluation report. If non-structural materials (such as foam or fiberboard) are used over the structural sheathing, then the length of the fasteners used to secure the vinyl siding to the framing shall be increased by the thickness of the non-structural material.

Apply the starter strip with fasteners spaced a maximum of 8 inches on center. The fasteners for the corner posts shall be spaced 8 to 12 inches on center. Attach the J-channels to the framing members with fasteners spaced a maximum of 10 inches on center.

Panel ends should be staggered from adjacent courses.

Soffits: All soffit installations shall be in accordance with a listing in this product evaluation report.

Wall studs and framing: Wall framing (framing members for horizontal and soffit applications) shall be capable of resisting the design loads specified in each assembly. Wall framing members shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The framing members shall be spaced a maximum of 16 inches on center, unless otherwise noted in the assembly listings below.

Wall Sheathing: The exterior surface of the wall shall be sheathed with a minimum of $\frac{5}{8}$ " thick plywood.

Wind Resistant Assembly:

Assembly No. 1

Horizontal Siding - Fasteners Penetrating into Studs and Sheathing

Design pressure: -145 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Double 4.5 Dutchlap

Installation: Wall studs shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The studs shall be spaced a maximum of 16 inches on center. The wall sheathing shall be a minimum of $\frac{5}{8}$ " thick plywood. The vinyl siding shall be fastened 8" o.c. into the sheathing and every other nail through the sheathing into the studs. Panel ends should be staggered from adjacent courses.

Assembly No. 2

Horizontal Siding - Fasteners Penetrating into Studs and Sheathing

Design pressure: -89.4 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Double 4.5 Horizontal

Installation: Wall studs shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The studs shall be spaced a maximum of 16 inches on center. The wall sheathing shall be a minimum of $\frac{5}{8}$ " thick plywood. The vinyl siding shall be fastened 8" o.c. into the sheathing and every other nail through the sheathing into the studs. Panel ends should be staggered from adjacent courses.

Assembly No. 3

Horizontal Siding - Fasteners Penetrating into Studs and Sheathing

Design pressure: -80.1 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Double 5 Dutchlap

Installation: Wall studs shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The studs shall be spaced a maximum of 16 inches on center. The wall sheathing shall be a minimum of $\frac{5}{8}$ " thick plywood. The vinyl siding shall be fastened 8" o.c. into the sheathing and every other nail through the sheathing into the studs. Panel ends should be staggered from adjacent courses.

Assembly No. 4

Vertical Siding and Soffit - Fasteners Penetrating into Studs and Sheathing

Design pressure: -123.5 psf

Minimum thickness: 0.045 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: Board and Batten

Installation: Framing members shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The framing members shall be spaced a maximum of 16 inches on center. The sheathing over the framing members shall be a minimum of $\frac{5}{8}$ " thick plywood. The vinyl siding shall be fastened 8" o.c. into the sheathing and every other nail through the sheathing into the framing members. Panel ends should be staggered from adjacent courses.

Assembly No. 5

Vertical Siding and Soffit - Fasteners Penetrating into Studs and Sheathing

Design pressure: -89.4 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: D5 Vertical

Installation: Framing members shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The framing members shall be spaced a maximum of 8 inches on center. The sheathing over the framing members shall be a minimum of $\frac{5}{8}$ " thick plywood. The vinyl siding shall be fastened 8" o.c. into the sheathing. Panel ends should be staggered from adjacent courses.

Assembly No. 6

Vertical Siding and Soffit - Fasteners Penetrating into Battens

Design pressure: -120.4 psf

Minimum thickness: 0.040 inches

Fasteners: 1 $\frac{1}{2}$ " long galvanized roofing nails ($\frac{3}{8}$ " diameter head, $\frac{1}{8}$ " shank diameter)

The following products are applicable: T4 Soffit

Installation: Framing members shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The framing members shall be spaced a maximum of 24 inches on center. Battens shall be spaced a maximum of 8" o.c. and secured to the framing members with minimum No. 8 x 3" long drywall screws. Battens shall be minimum 2" x 2" No. 2 grade Spruce-Pine-Fir lumber. The vinyl siding shall be fastened 8" o.c. into the battens with roofing nails. Panel ends should be staggered from adjacent courses.

Assembly No. 7

Vertical Siding and Soffit - Fasteners Penetrating into Battens

Design pressure: -123.5 psf

Minimum thickness: 0.040 inches

Fasteners: 1 1/2" long galvanized roofing nails (3/8" diameter head, 1/8" shank diameter)

The following products are applicable: D5 Soffit

Installation: Framing members shall be minimum No. 2 grade Spruce-Pine-Fir lumber. The framing members shall be spaced a maximum of 24 inches on center. Battens shall be spaced a maximum of 8" o.c. and secured to the framing members with minimum No. 8 x 3" long drywall screws. Battens shall be minimum 2" x 2" No. 2 grade Spruce-Pine-Fir lumber. The vinyl siding shall be fastened 8" o.c. into the battens with roofing nails. Panel ends should be staggered from adjacent courses.

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