

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 EC-7

Effective October 1, 2001
Revised April 1, 2003

*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.

Vinyl siding products manufactured by

Variform, Inc.
303 West Major
P.O. Box 559 Kearney, Missouri 64060
(816) 903-8293

and distributed by **Variform, Chateau, and Georgia-Pacific** are accepted for use in designated catastrophe areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

Vinyl siding products manufactured by

Napco, Inc.
150 Bonnie Dr.
Butler, PA 16002

are accepted for use 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

This evaluation applies to the following products:

Horizontal Siding:

Variform

Timber Oak Double 4"
Timber Oak Double 4" Dutchlap
Timber Oak Double 5"
Timber Oak Double 5" Dutchlap
Duragrain Double 4" Dutchlap
Duragrain Double 5" Dutchlap
Contractor's Choice Double 4"
Contractor's Choice Double 5"
Hampton III Triple 3"
Varigrain Preferred Double 4"
Varigrain Preferred Double 5"
Varigrain Preferred Double 4" Dutchlap

Varigrain Preferred Double 5" Dutchlap
Duragrain Double 4"
Duragrain Double 5"
Victoria Harbor Single 6½"
Contractor's Choice Double 4½" Dutchlap
Contractor's Choice Triple 3"
Millbridge Double 4"
Millbridge Single 8"
Camden Pointe Double 4"
Camden Pointe Double 4" Dutchlap
Camden Pointe Double 5"
Camden Pointe Double 5" Dutchlap

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Chateau

Chateau Cedar Double 4"
Chateau Cedar Double 4" Dutchlap
Chateau Cedar Double 5"
Chateau Cedar Double 5" Dutchlap
Chateau Nobility Double 4"
Chateau Nobility Double 4" Dutchlap
Chateau Nobility Double 4½" Dutchlap
Chateau Nobility Double 5"
Chateau Nobility Double 5" Dutchlap
Chateau Dutchlap Double 4" Dutchlap
Chateau Dutchlap Double 5" Dutchlap
Chateau Mystique Double 4"
Chateau Mystique Double 4½" Dutchlap

Chateau Legend Double 4"
Chateau Legend Double 4" Dutchlap
Chateau Legend Double 5"
Chateau Legend Double 5" Dutchlap
Chateau Legacy Double 4"
Chateau Legacy Double 4" Dutchlap
Chateau Legacy Double 5"
Chateau Legacy Double 5" Dutchlap
Chateau Rustic Double 4"
Chateau Rustic Double 5"
Chateau Triple 3"
Chateau Mystique Double 5"

Georgia-Pacific

Cedar Lane Double 4"
Cedar Lane Double 4" Dutchlap
Cedar Lane Double 5"
Cedar Lane Double 5" Dutchlap
Shadow Ridge Double 4" Dutchlap
Shadow Ridge Double 5" Dutchlap
Vision Pro Double 4"
Vision Pro Double 5"
Vision Pro Double 4" Dutchlap
Vision Pro Double 5" Dutchlap
Somerset Single 6½"
Chatham Ridge Triple 3"
Castle Ridge Single 8"
Castle Ridge Double 4"
Castle Ridge Double 4½" Dutchlap
Castle Ridge Double 5"
Park Ridge Double 4"
Park Ridge Double 4" Dutchlap
Park Ridge Double 4½" Dutchlap
Park Ridge Double 5"
Park Ridge Double 5" Dutchlap

Parkside Double 4"
Parkside Double 5"
Parkside Double 4½" Dutchlap
Parkside Double 4" Dutchlap
Parkside Double 5" Dutchlap
Parkside Triple 3 ⅓ "
Forest Ridge Double 4"
Forest Ridge Double 5"
Wyndham Lane Double 4"
Wyndham Lane Double 5"
Wyndham Lane Double 4" Dutchlap
Wyndham Lane Double 5" Dutchlap
Oakside Double 4"
Oakside Double 4" Dutchlap
Oakside Double 4½" Dutchlap
Oakside Double 5" Dutchlap
Heritage Hill Double 4"
Heritage Hill Double 4½" Dutchlap
Heritage Hil Double 5"

Napco

American 76 Collection Triple 3"
American 76 Collection 6½" Beaded
American 76 Collection Double 4"
American Herald Double 4"
American Herald Double 4" Dutchlap
American Herald Double 5"
American Herald Double 5" Dutchlap
American Comfort Double 4½" Dutchlap
American Comfort Triple 3"
American Comfort Double 4"
American Comfort Double 5"
American Splendor Double 4"
American Splendor Double 4½" Dutchlap

American Splendor Double 5"
Sunnybrook Double 4"
Sunnybrook Double 4" Dutchlap
Sunnybrook Double 5"
Sunnybrook Double 5" Dutchlap
American Tradition Double 4"
American Tradition Double 4½" Dutchlap
American Tradition Double 5"
Olde Providence Double 4"
Olde Providence Double 4½" Dutchlap
Olde Providence Triple 3"
Olde Providence Double 5"

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Vertical Siding/Soffit:

Variform

Beaded 7" Vertical/Soffit
Double 5 Vertical/Soffit
Classic Weave Triple 4 Vertical/Soffit
Double 5 Standard (Soffit only)
Timber Oak Double 5" Vertical/Soffit

Chateau

Chateau Cedar Double 5" Vertical/Soffit
Chateau Double 5" Vertical/Soffit
Chateau Triple 4" (Soffit only)

Georgia-Pacific

Beaded 7" Vertical/Soffit
Double 5 Vertical/Soffit
Cedar Lane Double 5" Vertical/Soffit
Triple 4" (Soffit only)

Napco

American Splendor Double 5" Soffit
Double 5" Vertical/Soffit
Triple 4" Vertical/ Soffit
Beaded 7" (Soffit only)

INSTALLATION INSTRUCTIONS

General Installation Instructions:

All fasteners shall be corrosion resistant. Fasteners shall be driven in the center of the nailing slot, leaving a minimum $\frac{1}{32}$ inch space between the nail head and the vinyl siding. Wall studs shall be minimum SPF lumber. The studs shall be spaced a maximum of 16 inches on center.

As a minimum, either the interior or exterior surface of the wall shall be sheathed with either structural or non-structural materials. If non-structural materials (such as foam or fiberboard) is used on the exterior side of the wall, 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 a maximum of 8 inches on center. Attach the J-channels to the framing members with fasteners spaced a maximum of 10 inches on center.

Soffits: Soffit material may be installed without a listing in this product evaluation report. If the soffit is perforated (the soffit must be perforated along its entire length) or if the overhang is 24 inches in width or less, then the soffit material may be installed in accordance with the manufacturer's installation instructions. All other soffit installations shall be in accordance with a listing in this product evaluation report.

Installation for Assemblies 1–8, (Horizontal Siding - Fasteners Penetrating into Studs): The vinyl siding shall be fastened to the wall framing with the indicated fasteners spaced a maximum of 16 inches on center. Panel ends should be staggered from adjacent courses.

Installation for Assembly 9 (Horizontal Siding - Fasteners Penetrating Sheathing): The studs shall be sheathed with nominal $\frac{7}{16}$ inch thick wood structural panels or solid wood siding (DF-L). The vinyl siding shall be fastened to alternate wall framing and sheathing with the indicated fasteners spaced a maximum of 8 inches on center.

Installation for Assemblies 10-12 (Vertical/Soffit Siding - Fasteners Penetrating into Sheathing): The framing members shall be sheathed with nominal $\frac{7}{16}$ inch thick wood structural panels or solid wood

siding (DF-L). The vinyl siding shall be fastened to the panels or siding with indicated fasteners spaced a maximum of 8 inches on center.

Wind Resistant Assemblies:

Assembly No. 1

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -56 psf

Nominal thickness: 0.044 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Victoria Harbor Single 6.5.

The following Georgia-Pacific products are applicable: Somerset Single 6.5.

Assembly No. 2

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -67 psf

Nominal thickness: 0.045 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Timber Oak (Double 4, Double 4 Dutchlap); Varigrain Preferred (Double 4; Double 4 Dutchlap); Millbridge Single 8

The following Chateau products are applicable: Chateau Legend (Double 4, Double 4 Dutchlap); Chateau Cedar (Double 4, Double 4 Dutchlap)

The following Georgia-Pacific products are applicable: Cedar Lane (Double 4, Double 4 Dutchlap); Wyndham Lane (Double 4; Double 4 Dutchlap)

Assembly No. 3

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -57 psf

Nominal thickness: 0.040 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Timber Oak (Double 5, Double 5 Dutchlap); Varigrain Preferred (Double 5, Double 5 Dutchlap); Duragrain (Double 5, Double 5 Dutchlap, Double 4; Double 4 Dutchlap); Contractor's Choice (Double 5, Double 4, Double 4 ½ Dutchlap, Triple 3); Hampton III Triple 3; Millbridge Double 4

The following Georgia-Pacific products are applicable: Forest Ridge (Double 5, Double 4); Shadow Ridge (Double 5, Double 4 Dutchlap); Chatham Ridge Triple 3; Vision Pro (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap); Castle Ridge (Double 5, Double 4 ½ Dutchlap, Double 4, Single 8); Cedar Lane (Double 5, Double 5 Dutchlap); Wyndham Lane (Double 5, Double 5 Dutchlap)

The following Chateau products are available: Chateau Cedar (Double 5, Double 5 Dutchlap); Chateau Legend (Double 5, Double 5 Dutchlap); Chateau Legacy (Double 5, Double 5 Dutchlap, Double 4, Double 4 Dutchlap); Chateau Rustic (Double 5, Double 4); Chateau Dutchlap (Double 5 Dutchlap, Double 4 Dutchlap); Chateau Triple 3

The following Napco products are applicable: American 76 Collection (Double 4, 6 ½ Beaded, Triple 3); American Herald (Double 5, Double 5 Dutchlap, Double 4, Double 4 Dutchlap); Sunnybrook (Double 5, Double 5 Dutchlap, Double 4, Double 4 Dutchlap); Olde Providence (Double 5, Double

4 ½ Dutchlap, Double 4, Triple 3); American Comfort (Double 5, Double 4 ½ Dutchlap, Double 4, Triple 3).

Assembly No. 4

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -49 psf

Nominal thickness: 0.038 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Chateau products are applicable: Chateau Nobility (Double 4, Double 4 Dutchlap, Double 4 ½ Dutchlap)

Assembly No. 5

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -68 psf

Nominal thickness: 0.035 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Camden Pointe (Double 5, Double 5 Dutchlap, Double 4, Double 4 Dutchlap)

The following Georgia-Pacific products are applicable: Oakside (Double 5 Dutchlap, Double 4 ½ Dutchlap, Double 4, Double 4 Dutchlap); Parkside (Double 5, Double 5 Dutchlap, Double 4 ½ Dutchlap, Double 4, Double 4 Dutchlap, Triple 3 ⅓)

The following Napco products are applicable: American Tradition (Double 5, Double 4, Double 4 ½ Dutchlap)

Assembly No. 6

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -77 psf

Nominal thickness: 0.046 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Napco products are applicable: American Splendor (Double 5, Double 4, Double 4 ½ Dutchlap)

Assembly No. 7

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -41.8 psf

Nominal thickness: 0.036 inches

Fasteners: 16 gage staples (1 ½" leg x ⅞" crown)

The following Georgia Pacific products are applicable: Park Ridge (Double 4, Double 4 Dutchlap, Double 4 ½" Dutchlap, Double 5, Double 5 Dutchlap)

Assembly No. 8

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -111.4 psf

Nominal thickness: 0.045 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Georgia Pacific products are acceptable: Heritage Hill (Double 4, Double 4 ½" Dutchlap, Double 5)

The following Chateau products are applicable: Chateau Mystique (Double 4, Double 4 ½" Dutchlap, Double 5)

Assembly No. 9

Horizontal Siding - Fasteners Penetrating into Sheathing

Design pressure: -97 psf

Nominal thickness: 0.036 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Georgia Pacific products are acceptable: Park Ridge (Double 4, Double 4 Dutchlap, Double 4 ½" Dutchlap, Double 5, Double 5 Dutchlap)

The following Chateau products are applicable: Chateau Nobility (Double 4, Double 4 Dutchlap, Double 4 ½" Dutchlap, Double 5, Double 5 Dutchlap)

Assembly No. 10

Vertical/Soffit Siding - Fasteners Penetrating into Sheathing

Design pressure: -76 psf

Nominal thickness: 0.037 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Beaded 7.

The following Georgia-Pacific products are applicable: Beaded 7.

Assembly No. 11

Vertical/Soffit Siding - Fasteners Penetrating into Sheathing

Design pressure: -67 psf

Nominal thickness: 0.040 inches

Fasteners: 1 ½" long roofing nails (⅜" diameter head, ⅛" shank diameter)

The following Variform products are applicable: Double 5 Vertical/Soffit; Classic Weave Triple 4 Soffit; Timber Oak Double 5 Vertical/Soffit, Double 5 Standard (Soffit only)

The following Georgia-Pacific products are applicable: Double 5 Vertical/Soffit; Cedar Lane Double 5 Vertical/Soffit

The following Chateau products are applicable: Chateau Cedar Double 5 Vertical/Soffit; Chateau Double 5 Vertical/Soffit

The following Napco products are applicable: Double 5 Vertical/Soffit; American Splendor Double 5 Vertical/Soffit

Assembly No. 12

Vertical/Soffit Siding - Fasteners Penetrating into Sheathing

Design pressure: -62 psf

Nominal thickness: 0.038 inches

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

The following Variform products are applicable: Classic Weave Triple 4 Soffit

The following Napco products are applicable: T4 5 Vertical/Soffit

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) and the International Building Code (IBC).