

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-6

Effective June 1, 2007
Revised October 1, 2009

*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 **April 2010**.*

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

KP Building Products, Inc.
402 Boyer Circle
Williston, Vermont 05495
Telephone: (802) 865-0114

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:

Waterford/Dakota Double 4"	Cedar Creek/Hudson Bay Double 4"
Waterford/Dakota Double 4" Dutchlap	Cedar Creek/Hudson Bay Double 4" Dutchlap
Waterford/Dakota Double 4.5" Dutchlap	Cedar Creek/Hudson Bay Double 5"
Waterford/Dakota Double 5"	Cedar Creek/Hudson Bay Double 5" Dutchlap
Waterford/Dakota Double 5" Dutchlap	Northern Star Double 4"
Waterford/Dakota Triple 3"	Northern Star Double 4" Dutchlap
Harbor Ridge Double 4"	Northern Star Double 4.5" Dutchlap
Harbor Ridge Double 4" Dutchlap	Northern Star Double 5"
Harbor Ridge Double 4.5" Dutchlap	Northern Star Double 5" Dutchlap
Harbor Ridge Double 5"	Northern Star Triple 3"
Harbor Ridge Double 5" Dutchlap	Northern Star 6" Beaded
Harbor Ridge Triple 3"	Northern Star 8" Horizontal
ColorGuard Double 4"	TimberCrest Double 4"
ColorGuard Double 4" Dutchlap	TimberCrest Double 4.5" Dutchlap
ColorGuard Double 4.5" Dutchlap	TimberCrest Plus Double 4"
ColorGuard Double 5"	TimberCrest Plus Double 4.5" Dutchlap
ColorGuard Double 5" Dutchlap	

PRODUCT DESCRIPTION (Continued)

Horizontal Siding (Continued):

Maxim Double 4"
Maxim Double 4" Dutchlap
Maxim Double 5"
Maxim Double 5" Dutchlap

Vertical/Soffit Siding:

V-10" Soffit	12" Soffit C-Vent
V-10" Soffit Perforated	12" Brushed Soffit
12" Soffit Plain	12" Brushed Soffit Lanced
12" Soffit Perforated	12" Brushed Soffit C-Vent
8" Beaded Soffit	I-Span Soffit
	I-Span Vented 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, 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) are 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 8 to 16 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: 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.

Wind Resistant Assemblies:

Assembly No. 1

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -57 psf

Minimum nominal thickness: 0.039 inches

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

INSTALLATION INSTRUCTIONS (Continued)

Assembly No. 1 (Continued)

The following products are applicable: Waterford/Dakota (Double 4; Double 4 Dutchlap; Double 4.5 Dutchlap; Double 5; Double 5 Dutchlap; and Triple 3); Harbor Ridge (Double 4; Double 4 Dutchlap; Double 4.5 Dutchlap; Double 5; Double 5 Dutchlap; and Triple 3); Cedar Creek/Hudson Bay (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap); Northern Star (Double 4; Double 4 Dutchlap; Double 4.5 Dutchlap; Double 5; Double 5 Dutchlap; Triple 3; 6" Beaded; and 8" Horizontal); TimberCrest (Double 4; Double 4.5 Dutchlap); TimberCrest Plus (Double 4; Double 4.5 Dutchlap)

Installation: Wall studs shall be minimum SPF lumber. The studs shall be spaced a maximum of 16 inches on center. The vinyl siding shall be fastened to the wall studs with fasteners spaced a maximum of 16 inches on center. Panel ends should be staggered from adjacent courses.

Assembly No. 2

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -73.7 psf

Minimum nominal thickness: 0.044 inches

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

The following products are applicable: ColorGuard (Double 4; Double 4 Dutchlap; Double 4.5 Dutchlap; Double 5; Double 5 Dutchlap)

Installation: Wall studs shall be minimum SPF lumber. The studs shall be spaced a maximum of 16 inches on center. The vinyl siding shall be fastened to the wall studs with fasteners spaced a maximum of 16 inches on center. Panel ends should be staggered from adjacent courses.

Assembly No. 3

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -55.6 psf

Minimum nominal thickness: 0.046 inches

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

The following products are applicable: TimberCrest (Double 4; Double 4.5 Dutchlap); TimberCrest Plus (Double 4, Double 4.5 Dutchlap)

Installation: Wall studs shall be minimum SPF lumber. The studs shall be spaced a maximum of 24 inches on center. The vinyl siding shall be fastened to the wall studs with fasteners spaced a maximum of 24 inches on center. Panel ends should be staggered from adjacent courses.

Assembly No. 4

Horizontal Siding - Fasteners Penetrating into Studs

Design pressure: -83.4 psf

Minimum nominal thickness: 0.046 inches

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

The following products are applicable: Maxim (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap)

INSTALLATION INSTRUCTIONS (Continued)

Assembly No. 4 (continued)

Installation: Wall studs shall be minimum SPF lumber. The studs shall be spaced a maximum of 16 inches on center. The vinyl siding shall be fastened to the wall studs with fasteners spaced a maximum of 16 inches on center. Panel ends should be staggered from adjacent courses.

Assembly No. 5

Vertical Siding/Soffit - Fasteners Penetrating into Sheathing

Design pressure: -56 psf

Minimum thickness: 0.046 inches

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

The following products are applicable: I-Span Soffit

Installation: Framing members shall be minimum SPF lumber. The framing members shall be spaced a maximum of 16 inches on center. The siding shall be installed over minimum 7/16 inch thick structural sheathing. The vinyl siding shall be fastened to the structural sheathing with fasteners spaced a maximum of 16 inches on center.

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.