

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION EC-51

Effective October 1, 2005  
Revised July 1, 2007

*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 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.*

The Foundry Collection of Vinyl Siding Products manufactured by

**The Foundry (A Headwaters Company)**  
**200 Shotwell Drive**  
**Franklin, Ohio 45005**  
**Telephone: (800) 771-4486**

and distributed under the brand names **Norandex/Reynolds Home Accents; Vytec; Owens Corning Finish Elements; Associated Materials Inc., Alside Division Architectural Classics, Kaycan LTD. Eagle Rock and Builders Edge** will be 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 product evaluation shall apply to the following products:

### **Foundry Premium Vinyl Siding**

Shingles, Double 5" Shingles, Shakes, 10" Staggered Shakes, 7" Staggered Shakes, Transition Starter, Shapes-Half Cove, Shapes-Rounds, Shapes-Octagon, Shapes-Mitered Corners, Shapes-Hexagon and Shapes-Fish Scale

### **Norandex/Reynolds Home Accents**

Shakes, Shingles, Shapes-Rounds, Shapes-Fish Scale, 10" Staggered Shakes and Transition Starter

### **Vytec**

Shakes, Scallops, Transition Starter

### **Owens Corning Finish Elements**

Shakes, Scallops

### **Associated Materials Inc., Alside Division Architectural Classics**

Shakes, Shingles, Shapes-Rounds, 10" Staggered Shakes

### **Kaycan LTD. Eagle Rock**

Shakes, Shingles, 10" Staggered Shakes, Shapes-Fish Scale

## PRODUCT DESCRIPTION (Continued)

### Builders Edge

Shingles, Double 5" Shingles, Shakes, 10" Staggered Shakes, 7" Staggered Shakes, Transition Starter, Shapes-Half Cove, Shapes-Rounds, Shapes-Octagon, Shapes-Mitered Corners, Shapes-Hexagon and Shapes-Fish Scale

## INSTALLATION INSTRUCTIONS

### General Installation Requirements:

All fasteners shall be corrosion resistant. Nails shall be driven in the center of the nailing slot.

As a minimum, the exterior surface of the wall shall be sheathed with  $\frac{1}{2}$ " plywood sheathing. The wood stud walls shall be framed with a minimum of 2" x 4" Spruce-Pine-Fir lumber. If non-structural materials (such as foam or fiberboard) is used on the exterior side of the wall 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 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.

### Wind Resistant Assemblies:

#### Assembly No. 1

#### Shingles - Fasteners Penetrating into Sheathing

**Design pressure:** -102.3 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)

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The shingles shall have a maximum exposure of 7".

#### Assembly No. 2

#### Shakes - Fasteners Penetrating into Sheathing

**Design pressure:** -111.8 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)

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The shakes shall have a maximum exposure of 7".

#### Assembly No. 3

#### Staggered Shakes - Fasteners Penetrating into Sheathing

**Design pressure:** -82.3 psf

**Minimum thickness:** 0.050 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The staggered shakes shall have a maximum exposure of 10".

## INSTALLATION INSTRUCTIONS (Continued)

### Assembly No. 4

#### Transition Starter - Fasteners Penetrating into Sheathing

**Design pressure:** -56.4 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The square shapes shall have a maximum exposure of 6".

### Assembly No. 5

#### Shapes-Half Cove - Fasteners Penetrating into Sheathing

**Design pressure:** -64 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The half cove shapes shall have a maximum exposure of 6".

### Assembly No. 6

#### Shapes-Rounds (Also known as Scallops) - Fasteners Penetrating into Sheathing

**Design pressure:** -60 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The round shapes shall have a maximum exposure of 6".

### Assembly No. 7

#### Shapes-Octagon - Fasteners Penetrating into Sheathing

**Design pressure:** -60 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The half cove shapes shall have a maximum exposure of 6".

### Assembly No. 8

#### Shapes-Mitered Corners - Fasteners Penetrating into Sheathing

**Design pressure:** -57.6 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The half cove shapes shall have a maximum exposure of 6".

## INSTALLATION INSTRUCTIONS (Continued)

### Assembly No. 9

#### Shapes-Hexagon - Fasteners Penetrating into Sheathing

**Design pressure:** -59.4 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The half cove shapes shall have a maximum exposure of 6".

### Assembly No. 10

#### Shapes-Fish Scale - Fasteners Penetrating into Sheathing

**Design pressure:** -58.1 psf

**Minimum thickness:** 0.040 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The half cove shapes shall have a maximum exposure of 6".

### Assembly No. 11

#### Double 5" Shingles - Fasteners Penetrating into Sheathing

**Design pressure:** - 93.2psf

**Minimum thickness:** 0.050 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The shingles shall have a maximum exposure of 10".

### Assembly No. 12

#### 7" Staggered Shakes - Fasteners Penetrating into Sheathing

**Design pressure:** - 97.6 psf

**Minimum thickness:** 0.047 inches

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

**Installation:** The vinyl siding shall be fastened to the plywood with fasteners spaced a maximum of 10 inches on center. The shakes shall have a maximum exposure of 7".

**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) and the International Building Code (IBC).