

# 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

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## PRODUCT EVALUATION EC-54

Effective June 1, 2008

*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.*

Vinyl siding manufactured by

**Infinite Building Products**  
**10511 High Point Road**  
**Olive Branch, MS 38654**  
**Telephone: (662) 890-8407**

and marketed under the trade names **Amcraft Building Products**, 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:

### Horizontal Siding:

Timber Select Double 4"	Thunder Bay Double 4 ½"
Timber Select Double 4 ½" Dutchlap	Thunder Bay 4 ½" Dutchlap
Timber Select Double 5	Ultra Double 4"
River Canyon 4 ½" Dutchlap	Ultra 4" Dutchlap
River Canyon Double 4 ½"	Ultra 5" Dutchlap
	Ultra Triple 3"

## 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.

### **INSTALLATION INSTRUCTIONS (continued)**

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.

Panel ends should be staggered from adjacent courses.

#### **Wind Resistant Assemblies:**

##### **Assembly No. 1**

###### **Horizontal Siding - Fasteners Penetrating into Studs**

**Design pressure:** -52.7 psf

**Minimum thickness:** 0.040 inches

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

**The following products are applicable:** Timber Select (Double 5).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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:** -57.1 psf

**Minimum thickness:** 0.040 inches

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

**The following products are applicable:** Timber Select (Double 4 ½ Dutchlap).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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:** -59.7 psf

**Minimum thickness:** 0.040 inches

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

**The following products are applicable:** Timber Select (Double 4).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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. 4**

##### **Horizontal Siding - Fasteners Penetrating into Studs**

**Design pressure:** -66.4 psf

**Minimum thickness:** 0.042 inches

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

**The following products are applicable:** Ultra (Double 4, 4 Dutchlap, 5 Dutchlap, Triple 3).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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**

##### **Horizontal Siding - Fasteners Penetrating into Studs**

**Design pressure:** -103.7 psf

**Minimum thickness:** 0.044 inches

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

**The following products are applicable:** River Canyon (Double 4 ½ and Dutchlap 4 ½).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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. 6**

##### **Horizontal Siding - Fasteners Penetrating into Studs**

**Design pressure:** -109.1 psf

**Minimum thickness:** 0.046 inches

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

**The following products are applicable:** Thunder Bay (Double 4 ½ and Dutchlap 4 ½).

**Installation:** Wall studs shall be minimum Spruce-Pine-Fir 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.

**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).