

# TEXAS DEPARTMENT OF INSURANCE

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## PRODUCT EVALUATION EC-10

Effective April 1, 2004

*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:

**Heartland Building Products, Inc.**  
**P.O. Box 880**  
**Booneville, Mississippi 38829**  
**Telephone: 800-432-7801**

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 applies to the following Heartland products:

### Horizontal Siding:

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Autumnwood Double 4"            | Manor Double 5" Dutchlap            |
| Autumnwood Double 5"            | Natural Blend Double 4"             |
| Autumnwood Double 4" Dutchlap   | Natural Blend Double 4" Dutchlap    |
| Autumnwood Double 5" Dutchlap   | Permaside Double 4"                 |
| Autumnwood Beaded 6 1/2"        | Permaside Double 4" Dutchlap        |
| Autumnwood Triple 3"            | Permaside Double 5"                 |
| American Spirit Double 4"       | Permaside Double 5" Dutchlap        |
| Arbor Glen Double 4.5"          | Permaside Triple 3"                 |
| Arbor Glen Double 4.5" Dutchlap | Ultra Premium Double 4"             |
| Heart-Tech Double 4"            | Ultra Premium Double 4" Dutchlap    |
| Heart-Tech Double 5"            | Ultra Premium Double 5"             |
| Heart-Tech Double 4" Dutchlap   | Ultra Premium Double 5" Dutchlap    |
| Heart-Tech Double 5" Dutchlap   | Traditional Double 4"               |
| Heart-Tech Triple 3"            | Traditional Double 5"               |
| Cedar Peak Double 4.5"          | Traditional Single 8"               |
| Cedar Peak Double 4.5" Dutchlap | Trafalgar Square Double 4"          |
| Cedar Elite Double 4"           | Trafalgar Square Double 4" Dutchlap |
| Cedar Elite Double 4" Dutchlap  | Trafalgar Square Double 5"          |
| Cedar Elite Double 5"           | Trafalgar Square Double 5" Dutchlap |

**Horizontal Siding (Continued):**

Cedar Elite Double 5" Dutchlap  
Cedar Elite Triple 3"  
Imperial Cascade 6 1/2"  
American Spirit Double 5" Dutchlap  
American Spirit Triple 3"

Trafalgar Square Triple 3"  
American Spirit Double 4" Dutchlap  
American Spirit Double 5"

**Vertical/Soffit Siding:**

Extra-Strength Soffit Double 6"  
Heart-Tech Soffit Double 6"  
Natural Blend Double 5"  
Universal Solid Vinyl Soffit Triple 4"  
Heartland Select Solid Vinyl Soffit Triple 4"

## INSTALLATION INSTRUCTIONS

**General Installation Requirements:**

All fasteners shall be corrosion resistant. If non-structural sheathing (foam or fiberboard) is used, 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 sheathing. Nails shall be driven in the center of the nailing slot, leaving a minimum 1/32 inch space between the nail head and the vinyl siding.

Apply the starter strip with fasteners spaced a maximum of 8 inches on center. The inside and outside corner posts, J-channels, and other accessories shall be nailed a maximum of 10 1/2 inches on center, starting at the top. 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:** -92 psf

**Minimum thickness:** 0.036 inches

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

**The following products are applicable:** Autumnwood (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap, Single 6 1/2, Triple 3); Traditional (Double 4, Double 5 Single 8); Heart-Tech (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap; Triple 3); Imperial Cascade 6 1/2; Manor Double 5 Dutchlap; Natural Blend (Double 4, Double 4 Dutchlap); Ultra Premium (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap); Permaside (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); Cedar Elite (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); Trafalgar Square (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); American Spirit (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3), Arbor Glen (Double 4.5, Double 4.5 Dutchlap), Cedar Peak (Double 4.5, Double 4.5 Dutchlap).

### Assembly No. 1 (Continued)

**Installation:** Wall studs shall be minimum Stud or No. 3 Douglas-Fir Larch. 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 Sheathing

**Design pressure:** -61 psf

**Minimum thickness:** 0.040 inches

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

**The following products are applicable:** Autumnwood (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap, Single 6 ½, Triple 3); Traditional (Double 4, Double 5 Single 8); Heart-Tech (Double 4; Double 4 Dutchlap; Double 5; Double 5 Dutchlap; Triple 3); Imperial Cascade 6 ½; Manor Double 5 Dutchlap; Natural Blend (Double 4, Double 4 Dutchlap); Ultra Premium (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap); Permaside (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); Cedar Elite (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); Trafalgar Square (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3); American Spirit (Double 4, Double 4 Dutchlap, Double 5, Double 5 Dutchlap, Triple 3), Arbor Glen (Double 4.5, Double 4.5 Dutchlap), Cedar Peak (Double 4.5, Double 4.5 Dutchlap).

**Installation:** The siding shall be fastened to minimum ⅜" structural sheathing. The siding shall be nailed through the nailing slots at 6" on center to the sheathing. Panel ends should be staggered from adjacent courses.

### Assembly No. 3

#### Vertical Siding/Soffit - Fasteners Penetrating into Sheathing

**Design pressure:** -47 psf

**Minimum thickness:** 0.040 inches

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

**The following products are applicable:** Universal Soffit, Extra Strength Soffit, Heart-Tech Soffit, Natural Blend Soffit, Heartland Select and Beaded Soffit.

**Installation:** Wall studs or framing shall be minimum SPF Stud or No. 3 grade lumber. The studs or framing shall be spaced a maximum of 24 inches on center. The vinyl siding or soffit shall be installed over minimum ½" thick structural sheathing. The vinyl siding or soffit shall be fastened to the sheathing with fasteners spaced a maximum of 12 inches on center. Panel ends should be staggered from adjacent courses.

**Note:** If the soffit material is perforated or if the overhang is 24 inches in width or less, then the soffit may be installed in accordance with the manufacturer's installation instructions.

**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).