

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION MC-10

Effective August 1, 2005

*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.

Standard Vinyl Railing Systems and Composite Railing Systems, manufactured by:

Fairway Vinyl Systems
1914 South Grant Avenue
York, Nebraska 68467
(402) 362-3807

Fairway Vinyl Systems
53 Eby Chiques Road
Mount Joy, Pennsylvania
(717) 653-6777

Fairway Vinyl Systems
5405 Rafe Banks Drive, Unit G
Flowery Branch, Georgia 30542
(770) 967-1383

will be acceptable for exterior commercial and residential guardrail applications in designated catastrophe zones along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

Standard Vinyl Railing System

Fairway Standard Vinyl Railing Systems include 2" x 3.5" rectangular Standard Vinyl Railing System or "bread loaf style" Classic Contour Vinyl Railing System. Each railing system is available with either a 1-3/8" square vinyl baluster or a 1 1/4" colonial style turned or shaped vinyl baluster. The products are available in white, khaki and tan and are suitable for use on level decks and walkways and stairways. Top and bottom rails are reinforced with aluminum inserts. Fairway guard rail assembly configurations are shown in the manufacturer's installation instructions and shall utilize the fastener types, sizes and placement as stipulated in the installation instructions and this product evaluation report. Additional Features include:

- 36" or 42" Heights
- 6', 8' and 10' Level Lengths
- 8' Length Stair Railings (Slope Range: 32° - 36°)

Composite Railing System

Fairway Composite Railing Systems consist of fused wood flours and ground vinyl. A PVC top coat is fused to the composite base. Each railing system is available with either a square or turned vinyl baluster, a fluted composite baluster, or a round aluminum baluster. The products are available in white or khaki. Fairway guard rail assembly configurations are shown in the manufacturer's installation instructions and shall utilize the fastener types, sizes and placement as stipulated in the installation instructions and this product evaluation report. Additional features include:

- 36" or 42" Heights
- 6' and 8' Level Lengths
- Post to post applications
- Over the post applications

- Standard 4.5" Cap Railing or Classic Contour Bread Loaf Styles
- 8' Stair Railing available in contour style only
- 4.5" Top Composite Cap Rail in 6.5', 8.5', 13', and 17' lengths.

DESIGN LIMITATIONS

- ***The maximum wind uplift capacity of the Fairway Standard Vinyl Railing Systems is 50 plf. The maximum allowable post spacing to achieve the 50 plf uplift capacity is 10 feet on-center.***
- ***The maximum wind uplift capacity of the Fairway Composite Railing Systems is 50 plf. The maximum allowable post spacing to achieve the 50 plf uplift capacity is 8 feet on-center.***
- ***Design Pressure: 50 plf***
- ***Maximum Spacing between Posts: 10' for Fairway Standard Vinyl Railing System
8" for Fairway Composite Railing System***

INSTALLATION INSTRUCTIONS

The Fairway Standard Vinyl Railing Systems and Composite Railing Systems shall be installed in accordance with the manufacturer's installation instructions, product drawings, and this product evaluation report. For wood connections, the guard posts shall be attached to minimum Southern Yellow Pine (SPG \geq 0.55)

Note: The deck boards and guard rails shall be installed in accordance with the manufacturer's installation instructions and this product evaluation report. 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).