



427 Kings Mill Road  
York, PA 17403

28 September 2005

Alan F. Hoying, Technical and Codes Engineer  
Alcoa Home Exteriors  
2600 Campbell Road  
Sidney, Ohio 45365-0132

RE: Universal Vinyl Soffit, 12", FBC 2004


Dear Alan;

The following Alcoa vinyl soffit product; Universal, with 12" exposure, has been tested at Architectural Testing as reported in 01-32009.01, and analyzed in conformance with ASTM D 3679 as required by Florida Building Code 2004, paragraph 1404.9. There are three configurations for this product; triple 4" solid with product code number UVS12N, triple 4" full vent with product code number UVS12P, and triple 4" center vent with product code UVS12CP. The material thickness must be a minimum of 0.036".

The allowable design wind pressures for this product, with nails, in the following eave widths are; 12" wide +/- 41.7 psf, 15" wide +/- 32.1 psf, 18" wide +/- 26.1 psf, 21" wide +/- 21.9 psf, and 24" wide +/- 19.0 psf. The allowable design wind pressures for this product, with staples, in the following eave widths are; 12" wide +/- 150 psf, 15" wide +/- 115.2 psf, 18" wide +/- 93.6 psf, 21" wide +/- 78.8 psf, 24" wide +/- 68.1 psf. Installation is with an "F" channel at the wall and with a fastener through each nail hem into the fascia board at the outside end. Nails are galvanized steel 1-1/2" long roofing nails with 1/8" diameter shanks and 3/8" diameter heads. Staples are 0.062" diameter (16 gage) with 1-1/2" long legs. These pressures were determined by comparative analyses.

There is no separate allowable design wind pressure requirement in the Florida Building Code 2004 for soffits. I trust that this information is sufficient for your needs. If there are any questions about this, please contact me.

Sincerely yours;

  
Allen N. Reeves, P.E.  
Chief Engineer  
28 SEPTEMBER 2005  
ANR:anr  
Cc: 05090009

