

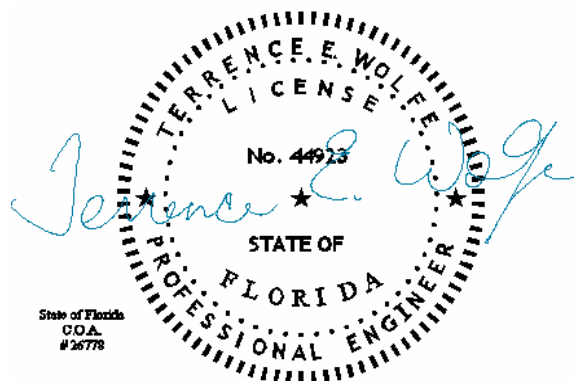


Letter of Equivalence

To: To Whom it may concern
From: Terrence E. Wolfe, P.E.
Date: 7/7/2009
Re: Resistance to Foot Traffic Test Section 5.5 of FM 4470 versus Section 5.4.2 of FM 4471

I have reviewed the test protocol specified in Section 5.5 of the FM 4470 “Approval Standard for Class 1 Roof Covers” that applies to roof covers manufactured from thermoplastic materials, e.g., PVC; thermoset materials, e.g., EPDM; uncured elastomer materials, e.g., PIB ; or modified bitumen materials, e.g., rubberized asphalt. I then compared the protocol in Section 5.5 of the FM 4470 to Section 5.4.2 of the FM 4471 “ Approval Standard for Class 1 Panel Roofs” and found no differences in the test method or the test procedure.

We selected Section 5.4.2 of the FM 4471 in lieu of Section 5.5 of the FM 4470 in order to properly evaluate metal roof panels over open framing. Section 5.4.2 of the FM 4471 was developed for structural roof panel applications by Factory Mutual and more closely fits the intent of Section 1504.7 of the Florida Building Code 2007 for structural metal roofing systems having a thickness less than 22ga.



July 7, 2009