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**To:** ICC-ES Evaluation Committee  
**From:** Michael Beaton, P.E.  
**Date:** May 29, 2009  
**Subject:** Proposed Revisions to the Acceptance Criteria for Foam Plastic Insulation, Subject AC12-0609-R1 (MB/SF)

**MEMO**

Revisions to the subject acceptance criteria were proposed under cover of the staff letter dated April 30, 2009. Responses were received from the EPS Molders Association (EPSMA) and from PFB Corporation. Both letters are available at [http://www.icc-es.org/Criteria\\_Development/0906-pre/Responses/index.shtml](http://www.icc-es.org/Criteria_Development/0906-pre/Responses/index.shtml). Both parties clarified the effective dates of Appendix A and offered other editorial revision and corrections. In response, staff offers the following revisions to Appendices A, B and C:

1. In Section 3.4.3, Exception 3, correct the value of vapor permance to 1.5, not 2.5.
2. In Appendix A, delete "Requirements of Appendix A will be effective until June 1, 2010. After that date, compliance with Appendix B will be required." It was not the intent of staff to withdraw any of the options presented in Appendix A, only to add the option to test using the methodology now described in Appendix B.
3. In Appendix B, Section B1.0, delete "(SPF)".
4. In Appendix B, revise the first sentence of Section B2.1.2 as follows: "**Specimen Mounting:** ~~The test specimens can be mounted in either of two configurations. Whichever configuration is used,~~ The interior room dimensions as required by NFPA 286 shall be maintained." This test method was developed for products under AC377 and two test configurations are offered under that criteria; but neither is applicable in AC12.
5. As regards Appendix B, Section B2.1.2, EPSMA offered that the insulation could be applied to the three test walls and/or the test ceiling. However, it was the intent of the developers of the AC377 test that the foam plastic insulation should be applied to the walls *and* ceiling, and staff believes that if this test is used, it should be under the conditions for which it was developed. Staff disagrees with the proposal.
6. In Appendix C, Section C1.0, delete "attic or".
7. In Appendix A, Sections A 1.2.1.1 (d), A1.2.2.1 (g), A1.2.3.1 (g), A2.2.1.1 (d), A2.2.2.1 (g) and A2.2.3.1 (g), revise as follows: "The installed coverage rate or thickness of coatings, if part of the insulation system, shall be equal to or greater than that which was tested." This will be consistent with changes being proposed for AC377.