



ICC Evaluation Service, Inc.
 Los Angeles Business/Regional Office
 5360 Workman Mill Road
 Whittier, CA 90601
 tel: 562.699.0543
 fax: 562.695.4694
 www.icc-es.org

To: ICC-ES Evaluation Committee
From: Michael Beaton, P.E.
Date: September 29, 2009
Subject: Proposed Revisions to the Acceptance Criteria for Water-resistive Barriers, Subject AC38-1009-R1 (MB/YM)

MEMO

Proposed revisions to the subject criteria were outlined in the staff letter dated September 1, 2009. Comments on the proposed revisions were received from The Dow Chemical Company, in a letter dated September 18, 2009, and from DuPont Building Innovations, in a letter dated September 18, 2009. After reviewing the responses, staff proposes the following additional revisions:

1. Section 2.2: Revise the last sentence as follows: If the material is self-adhering, instructions shall include details for substrate preparation, appropriate application temperatures, use of primers and membrane application. (DuPont proposal)
2. Section 3.3.5: Revise as follows: For self-adhered polymeric-based barriers, reports shall be submitted.... (Dow proposal)
3. Section 3.3.5: Add a new sentence as follows: The evaluation report shall identify the maximum temperature qualified in the elevated temperature exposure tests, (DuPont proposal)
4. Table 3: Change “adhered” to “self-adhered” in two locations. (DuPont proposal)

Revisions proposed by DuPont for Section 3.3.2, that the membrane be self-sealing, will require the self-adhering membranes to meet a requirement not required of mechanically attached membranes. Staff does not agree with this proposal.

Revisions proposed by DuPont that all substrates need to be tested for peel adhesion under the control and exposed conditions of AAMA 711 would require testing beyond the standard, which dictates that tests be conducted on all substrates exposed at control conditions, and testing on conditioned samples only for anodized aluminum substrates. Staff does not agree with this proposal.

The Dow proposal that the definition in Section 1.3.1 for water-resistive barrier include a statement that the water-resistive barrier must cover the entire wall assembly, may cause as much confusion as it tries to address. The ICC-ES evaluation reports are intended to demonstrate that the materials or systems recognized in the report will meet the intent of the code where a water-resistive barrier is required. Limiting use to the entire wall assembly may restrict valid applications on specific jobsites. Staff does not agree with this proposal.