

**Rosalind Fazel**

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**From:** Yamil Moya  
**Sent:** Tuesday, March 02, 2010 3:46 PM  
**To:** Rosalind Fazel  
**Subject:** FW: Comment re proposed changes to ICC-ES AC 353  
**Attachments:** memo to ICC-ES.docx

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**From:** Robert Sculthorpe [mailto:[rsculthorpe@cogeco.ca](mailto:rsculthorpe@cogeco.ca)]  
**Sent:** Tuesday, March 02, 2010 1:45 PM  
**To:** Yamil Moya; es  
**Subject:** Comment re proposed changes to ICC-ES AC 353

I have sent my comments via the comment form on the ICC-ES website. However I received a message that while to transmission was sent it may not have been complete. As such I am send this to you directly as the author of the cover letter proposing the revisions.

Please find attached my recommendation to reference ASTM standard E2634, which has been approved to be added to the 2012 IRC, in Section 6.2.6 of the proposed revisions for AC 353.

Regards,

Robert Sculthorpe  
Airlite Plastics Co.

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MEMO

TO: ICC-ES  
FROM: Robert Sculthorpe  
Date: March 2, 2010  
RE: Comment re Proposed changes to AC 353

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Proposed Change:

With regards to AC 353 I propose the following change to Section 6.3.6:

“When required by the code official, calculations and details showing compliance with the provisions found in IRC Sections R404.1.2.3.6 and R611.5.3 or certification to ASTM E2634, shall be submitted to the code official for approval. The calculations .....

Rationale:

The reason for this proposal is that ASTM Standard E2634 has requirements for Flat wall ICFS including in Section 6.2.5 a minimum tensile strength for the cross-ties. If an ICF company has undertaken the work to have their ICF system certified to this standard with its minimum requirements it should be recognized as meeting the performance requirements of AC 353 Section 6.3.6 and no further information should need to be required.

Regards,

Robert Sculthorpe  
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The Dow Chemical Company  
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Yamil Moya  
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## RESPONSE TO CHANGES TO ICC-ES ACCEPTANCE CRITERIA AC-353

Mr. Moya,

I am writing in response to the proposed changes to "Proposed Revisions to the Acceptance Criteria for Stay-in-place, Foam Plastic Insulating Concrete Form (ICF) Systems for Solid Concrete Walls, Subject AC353-0210-R1 (YM, DP)" letter dated February 1, 2010.

As noted in section 3.2.2, the foam plastics used in these systems must meet ASTM C 578 and the requirement of AC-12 section 4.5.15. This means that the foam used in these systems is covered under a physical property follow-up service to ensure the foam plastic performance. I noted in section 6.0, Evaluation Report Recognition, there is no mention of R-Value reporting for the foam plastic. Given the importance of R-Value, combined with the fact that this AC is titled: Stay-in-place, Foam Plastic Insulating Concrete Form (ICF) Systems for Solid Concrete Walls, and that other AC's which claim insulating features report R-Value (i.e. AC-12), I am requesting the following addition to AC-353:

**6.3 The evaluation report shall state all of the following -values at a mean test temperature of 75°F ± 5°F (24°C ± 2.5°C) for the insulation:**

- a. at the maximum thickness recognized in the valuation report
- b. at a 1-inch thickness
- c. and at intermediate thicknesses when the R-value s not linear with respect to thickness.

Thanks so much for your consideration of this change to AC-353!

Sincerely,

Joann Surma  
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Dow Building Solutions  
Leader Codes and Standards  
989-636-8655