

International Code Council  
IECC Residential Consistency and  
Administration Subcommittee

January 18, 2022

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Wes Hall- Reflectix	
David Yarbrough- R&D Services	
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## Meeting Minutes

1. Call to Order– Rich Truitt(Vice-Chair) called the meeting to order at 2:05pm EST
  - a. Rich modifies action item 5A on the agenda. This will be heard by the commercial subcommittee.
  - b. Amanda Hickman (Hickman Group) asks to move action item 5A and 5B and switch them, respectively.
    - i. Heather Goggin makes the motion.
    - ii. Cliff Davis seconds the motion.
    - iii. No discussion on the motion. No opposition from SC members.
2. Conduct– Vice Chair provides a brief overview of ICC policy.
3. Roll Call – Paul Messplay conducted roll call. Richard Potts was absent, Paul Messplay filled in as Richard's alternate. Ric Johnson was absent at time of roll call but joined the meeting shortly after. Quorum established
4. Approval of minutes-
  - a. Dec. 2<sup>nd</sup> meeting minutes: Heather Goggin motions to approve the minutes. Michael Rhodes seconds the motion. No opposition from SC members. Motion passes unanimously.
  - b. Jan 4<sup>th</sup> meeting minutes: Ric Johnson makes the motion to approve the minutes. Heather seconds the motion. No opposition. Motion passes unanimously.
5. Action items –
  - a. Heather Goggin makes a motion to move action item 5D and 5E at the request of proponent of REPI011-21, Amanda Hickman. This was Amanda Hickman's original intent.
    - i. Maureen seconds the motion. Motion passes unanimously.
  - b. REPI011-21 – Amanda Hickman(Hickman Group)

- i. R303.1.1 –The change that’s being sought to include language in this section to include reflective insulation and to provide a definition for reflective insulation.
- ii. Maureen Guttman – Asks if Amanda could explain the definition of reflective insulation, particularly with respect to “one or more air spaces”
  1. Amanda Hickman– Reflective insulation does have an associated r-value with it. This is consistent with the ASTM standard for reflective insulation. Amanda notes Wes Hall (Reflectix) is on the call and may provide some further information.
  2. Maureen Guttman– So this is the same definition in the standard?
  3. Amanda – Yes, this is consistent with the standard in ASTM
  4. Wes Hall(Reflectix)– Reflective insulations are tested as an assembly. That assembly consists of a ~~emittance~~ emittance surface and has to be unventilated. The entire assembly is then tested. R values for reflective assemblies will have different levels of performance. The air space is an important component of that system.
  5. Michael Rhodes – Doesn’t the effective R-value rely on the emittance of both surfaces, and if one surface is not properly installed can’t there be a significant reduction in the effective R value. I struggle with the term “rvalue” since it’s an effective or calculated rvalue.
  6. Wes Hall– As with any insulation, the proper installation is important to get the thermal performance the manufacturer claims.

7. Michael Rhodes – So, for example, rigid foam insulation is placed within an assembly, if it's an R5, it's an R5. Wool insulation will be relatively close to the value as stated on the

insulation. The enclosed space that they create provide effective Rvalue.

4. Wes Hall That has been a debate – how it's classified.

ASTM came to their decision that the assembly could be qualified as a reflective insulation because of the thermal performance that it does provide. The products are Federally recognized as insulation but I understand your point and I've certainly heard that conversation previously.

5. David Yarbrough (R&D Services) It is an Rvalue. Mr.

Yarbrough restates the definition of Rvalue. Yes, the installation of an assembly is important for reflective insulations and it's important for all insulations, so I don't see that it's a reason to challenge a particular technology.

6. Amanda Hickman Wants to make the comment that this is exactly why we're making this proposal the code is silent on it.

7. Maureen Guttman– I'm still confused. Is this basically a reflective barrier or is it something else?

8. Amanda Hickman – There are many different product types considered reflective insulation. This is one of the reasons why to include this language in this section – to give some guidance

9. Maureen Guttman– So if it's reflective insulation, it's one of these many types of materials that also provides Rvalue.

Your sentence in R303.1-1 to have a mark on it to have the R value – you're asking the manufacturer to mark it with the R value of the assembly where its installed

10. Wes Hall– As far as section R303.1. this is an Rvalue mark

that's put on a certification. The installer is required to designate that specific value on the certification. What we're doing here, essentially, is paralleling the information required by other insulation types for that packaging and that certification.

11. Michael Rhodes – If the material itself is placed in a heat flow

meter without the assembly parts, what is that value and is that provided on the packaging? The definition uses the words enclosed and unventilated, what are the allowable flows that would allow for the effective value of those assemblies?

12. David Yarbrough– The material value of the reflective

insulation is typically about 0.2 in imperial units. The primary

resistance is that provided in Table 11.2 (1.2 (sd) 0.8 (w) 6.7 (hb) 1.9 (o) 12



12. Wes Hall– The rvalue is specific to the assembly, the closed air space, and the physical emittance of the product. The handbook has a wide range of different enclosed air spaces.
13. David Yarbrough – It's worth mentioning that FTC 460 states how the rvalue is to be calculated for the assembly. This is a labeling law and is quite specific.
14. Darren Myers– The FTC 460 rule is a residential act. Believes this is a CEPI proposal.
15. Amanda Hickman – This proposal is meant to amend section R303.1.1. We flipped around REPI 11 over the CEPI 15. This is a residential proposal so the FTC 460 rule applies here.
16. Kristina Stinger– Point of order. Is the proponent okay with 234 7.46( )Tj



iii. Rich Truitt– Maureen do you have a reason statement?

1. Maureen –I'll stand on the reason stated by the proponent.

iv. Vote: 5 members affirm, no opposition.

d. CEPI-15-21-Part III – Amanda Hickman, Hickman group

i. Maureen Guttman – Motion to approve

ii. Andrea Papageorge – Second

iii. Vote: 5 members affirm, no opposition.

6. Other business

a. No other business for discussion.

7. Upcoming meetings Next meeting is February<sup>st</sup>.1

8. Adjournment –

a. Motion to adjourn: Andrea Papageorge.

b. Second: Ric Johnson.

c. Meeting adjourned at 3:11pm EST.