

Correction Factor (CF) for Compressed Batt or Blanket from Manual J, 8th edition Table

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Setting the Standards for
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A5-1, Section 7-d” to be used instead. Since that would not be a labeled R-Value, would the insulation be modeled as Grade III in that instance? Also, it seems that the referenced table and section do not exist in Manual J, 8th edition and the reference either needs to be updated or deleted. R-Value Compression Adjustments are addressed in Appendix 4, A410 R-Values, and there is a Figure A4-1 that provides some anecdotal information, but there is no CF given and the figure does not cover even the most common batt labeled RValues. The insulation institute provides a step-by-step formula to determine compressed R-Value (<https://insulationinstitute.org/im-a-building-or-facilityprofessional/residential/for-hers-raters/>) Is this an acceptable alternative?

Proposed Interpretation: *Provided by person requesting the interpretation.*

Batt insulation that meets all requirements for Grade I or Grade II installation with the exception of being able to fully expand due to finished cavity depth should be assessed as a Grade I or Grade II installation. For all Grades, such compressed insulation should be modeled at the compressed R-Value determined either according to the manufacturer’s documentation or, in the absence of such documentation, the formula from the Insulation Institute website.

SDC Response:

Is the proposed interpretation correct? X Yes (Part 1) X No (Part 2)

SDC Comments:

Part 1:

The Committee does agree with the interpretation with respect to the modeled R-Value being inclusive of compressed R-Values as determined according to the manufacturer’s documentation.

Part 2:

This interpretation references the Insulation Institute website which is not currently recognized by ANSI/RESNET/ICC 301-2019, therefore this formula cannot be used as an alternative to the insulation manufacturer’s documentation.

Note: This interpretation request has also drawn our attention to the compression table presented in Manual J. The intended table is not located at the specified reference and is also narrow in

scope. Since this interpretation request highlights the need for additional information in the standard, its content will be further evaluated for inclusion in a future addendum.

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