

of loose fill insulation and insert language indicating that industry members must take into account the effects of settling on the product's R-value for spray-applied cellulose and stabilized cellulose [see section V.C.2. of this document].

Section 460.5(a)(4) (R-value Tests)

Test for Spray-Applied Cellulose Insulation: The Commission proposes to add a new paragraph, section 460.5(a)(4), which would require that tests for self-supported spray-applied cellulose be conducted at the settled density determined pursuant to ASTM C 1149–97 (“Self-supported Spray Applied Cellulosic Thermal Insulation”) [see section V.C.2. of this document].

Section 460.5(a)(5) (R-value Tests)

Loose-Fill Initial Installed Thickness: For loose-fill insulations, the proposed amendment would require that manufacturers determine initial installed thickness for their product pursuant to ASTM C 1374, “Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation,” for R-values of 11, 13, 19, 22, 24, 32, and 40 and any other R-values provided on the product's label pursuant to § 460.12 [see section V.E.1.c.ii. of this document].

Section 460.5(b) and Section 460.5(c) (R-value Tests)

These sections applicable to aluminum foil systems would be reorganized and amended as follows:

Tests for Single Sheet Aluminum Foil Systems: Section 460.5(c) would be redesignated as Section 460.5(b) and would be amended to require that single sheet systems of aluminum foil be tested under ASTM C 1371–98 [see section V.D.5.a. of this document].

Test for Multiple Sheet Aluminum Foil Systems: Section 460.5(b) would be moved to Section 460.5(c) and would be amended to indicate that aluminum foil systems with more than one sheet, and single sheet systems of aluminum foil that are intended for applications that do not meet the conditions specified in the tables in the most recent edition of the ASHRAE Handbook, must be tested with ASTM C 1363–97, “Standard Test Method for the Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus,” in a test panel constructed according to ASTM C 1224–99, “Standard Specification for Reflective Insulation for Building Applications,” and under the test conditions specified in ASTM C 1224–99. To get the R-value from the results of those tests, use the formula specified in ASTM C 1224–99. The tests must be

done at a mean temperature of 75° F, with a temperature differential of 30° F. This amendment would eliminate the references to ASTM C 236–89 and ASTM C 976–90 that are currently applicable to these products [see section V.D.5.a. of this document].

Section 460.5(d) (R-value Tests)

Insulation Material With Foil Facings and Air Space: Section 460.5(d)(1) would be amended to eliminate reference to ASTM C 236–89 and ASTM C 976–90 and replace them with ASTM C 1363–97, “Standard Test Method for the Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus” [see section V.D.5.a. of this document].

Section 460.5(e) (R-value Tests)

Incorporation by Reference: A new paragraph (e) would be added to consolidate information regarding incorporation by reference approvals provided by the Office of the **Federal Register** [see section V.E. of this document].

Section 460.8

R-Value Tolerances for Manufacturers: The Rule's tolerance provision would be amended to clarify that, if you are a manufacturer of home insulation, the mean R-value of sampled specimens of a production lot of insulation you sell must meet or exceed the R-value shown in a label, fact sheet, ad, or other promotional material for that insulation. The Rule also would prohibit an individual specimen of that insulation from having an R-value more than 10% below the R-value shown in a label, fact sheet, ad, or other promotional material for that insulation [see section V.D.3. of this document].

Section 460.12 (Labels)

Labels for Batts and Blankets: The Commission proposes to amend the paragraph at § 460.12(b)(1) to indicate the requirement applies to batts and blankets of any type, not just to those made of mineral fiber [see section V.E.1.b. of this document].

Loose-Fill Labels: The Commission also proposes to amend section 460.12 to eliminate certain information requirements on charts for loose-fill cellulose insulation. The proposed amendment would instead require charts for all forms of loose-fill insulation to show the minimum thickness, maximum net coverage area, number of bags per 1,000 square feet, and minimum weight per square foot at R-values of 11, 13, 19, 22, 24, 32, and 40. The amendment also would require the labels for loose-fill insulation to

display initial installed thickness information determined pursuant to ASTM C 1374, “Standard Test Method for Determination of Installed Thickness of Pneumatically Applied Loose-Fill Building Insulation” and the blowing machine specifications that installers must use for loose-fill products [see section V.E.1.c. of this document].

Section 460.13 (Fact Sheets)

Urea-based Foam Insulation: The Commission proposes to eliminate the requirements in paragraph (d) of this section related to urea-based foam insulation [see section V.E.1.d. of this document].

Section 460.14 (How retailers must handle fact sheets)

Retailers Responsibilities for Fact Sheets: The Commission proposes to amend this section to exempt retailers from making fact sheets available to customers, if they display insulation packages (containing the same information required in fact sheets) on the sales floor where insulation customers are likely to notice them [see section V.E.4. of this document].

Section 460.18 (Insulation ads) and 460.19 (Savings Claims)

Affirmative Disclosures for Radio Ads: The Commission proposes to eliminate the affirmative disclosure requirements for radio ads in sections 460.18 and 460.19 [see section V.E.2.b. of this document].

Advertising for Urea-based Foam Insulation: The Commission proposes to amend this section to eliminate paragraph (e) in section 460.18, which addresses urea-based foam insulation [see section V.E.1.d. of this document].

Section 460.23(a) (Other Laws, rules, and orders)

The Commission plans to amend paragraph (a) to correct a typographical error.

V. Discussion of Comments and Proposed Amendments

The Commission received 21 comments in response to the ANPR.⁸

⁸ Adrian D. Troutman, Jr. for TFOil Enterprises (“TFOil”), (Comment #1); Adrian D. Troutman, Jr. for A&J Insulation Construction (“A&J”), (2); The Polyisocyanurate Insulation Manufacturers Association (“PIMA”), (3); The Cellulose Insulation Manufacturers Association (“CIMA”), (4); The Insulation Contractors Association of America (“ICAA”), (5); The Expanded Polystyrene Molders Association (“EPSMA”), (6); Celotex Corporation (“Celotex”), (7); The Foamed Polystyrene Alliance (“FPSA”), (8); The North American Insulation Manufacturers Association (“NAIMA”), (9); Elastizell Corporation of America (“Elastizell”), (10); Uniwood/Fome-Cor Business Unit of