

Cellulose Insulation and Code Summary

Physical Properties	16 CFR Part 1209 (1)	16 CFR Part 460 (2)	ASTM C739 (3)	ASTM E84 (4) (5)	HH-I-515E (6)	Comments
Critical Radiant Flux	Yes		Yes	Yes	Yes	Also know as Flame Spread Maximum value of 25
Smolder	Yes		Yes		Yes	
Smoke Developed				Yes		Maximum value of 450
Thermal Resistance (R-Value)		Yes	Yes		Yes	
Settled Density	Yes	Yes	Yes		Yes	
Corrosiveness	Yes		Yes		Yes	
Fungi Resistance			Yes		Yes	
Odor			Yes		Yes	
Moisture Sorption			Yes		Yes	

- (1) Consumer Product Safety Commission (CPSC) Safety Standards
 - a. CPSC 1404 is an installation standard pertaining to heat generating devices
- (2) Federal Trade Commission Labeling (FTC R-Value Rule)
 - a. In 1990, the FTC endorsed the ASTM testing methodology while maintaining product representations.
- (3) Cellulose Industry adopted American Society for Testing and Materials (ASTM) Specification C739
- (4) Requirement under 2006 International Residential Code (IRC) and 2006 International Building Code (IBC)
- (5) ASTM E84 is the basis for ANSI 2.5, NFPA 255, UBC 8-1 (42-1), and UL723.
- (6) General Services Administration (GSA) now refers to ASTM C739.
- (7) AFT complies with ASTM C739 and ASTM E84 therefore complying with the other standards.
- (8) Complies with 2006 International Energy Conservation Code (IECC)
- (9) Installation to follow the Cellulose Insulation Manufacturers Association (CIMA) technical bulletin #2 "Standard Practice for Installing Cellulose Building Insulation, #3 Standard Practice for the Installation of Sprayed Cellulosic Wall Cavity Insulation, and ASTM C1015, "Standard Practice for Installation of Cellulosic and Mineral Fiber Loose-Fill Thermal Insulation.

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