

SECTION 07 21 29 {07218}

SPRAYED INSULATION

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This section includes sprayed glass fiber or treated cellulose insulation for thermal and acoustic purposes. Surface sealers may be required with treated cellulose insulation for air plenum applications or protective overcoat may be required to conform to code imposed flame spread rating.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcat.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes [cellulose] [glass fiber] insulation [applied to underside of structure] [placed in walls] [_____]; and [surface sealer] [protective overcoat.]
- B. Related Sections:
 - 1. Section 07 81 00 - Applied Fireproofing.
 - 2. Section 09 22 03 - Plaster Furring and Lathing: Metal lath over [structural members.] [_____.]
- C. Related Sections:
 - 1. Section 07810 - Applied Fireproofing.
 - 2. Section 09205 - Furring and Lathing: Metal lath over [structural members.] [_____.]

1.2 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. ASTM International:

1. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus.
2. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus.
3. ASTM C739 - Standard Specification for Cellulosic Fiber (Wood-Base) Loose-Fill Thermal Insulation.
4. ASTM C1014 - Standard Specification for Spray-Applied Mineral Fiber Thermal or Acoustical Insulation.
5. ASTM D1622 - Standard Test Method for Apparent Density of Rigid Cellular Plastics.
6. ASTM E136 - Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 Degrees C.
7. ASTM E970 - Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source.

B. Green Seal:

1. GS-11 - Product Specific Environmental Requirements.

C. Intertek Testing Services (Warnock Hersey Listed):

1. WH - Certification Listings.

D. Underwriters Laboratories, Inc.:

1. UL - Fire Resistance Directory.

1.3 PERFORMANCE REQUIREMENTS

Use this article carefully; restrict statements to identify system performance requirements or function criteria only.

Verify insulation type selected is acceptable to regulatory agencies for flame and smoke requirements. Sealer or overcoat of appropriate material may permit certain combustible insulations to be used.

Coordinate flame and smoke rating statement in the following paragraph with statements in PART 2 - PRODUCTS.

- A. Conform to [UL] [WH] Assembly Design No. [_____] for [_____] hour fire rated [wall] [roof/ceiling] [floor/ceiling] assembly.
- B. Conform to [applicable] [_____] code for [non-combustibility,] [flame and smoke ratings,] [concealment,] [[sealer] [overcoat] requirements,] [and] [_____].

1.4 SUBMITTALS

Only request submittals needed to verify compliance with Project requirements.

- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: submittal procedures.