

SECTION 07 21 23 {07216}

LOOSE-FILL INSULATION

{LOOSE FILL INSULATION}

This section includes pour grade vermiculite or perlite granular insulation used in masonry cores or other hollow wall construction to provide thermal insulation or to increase fire ratings of walls. Beaded polystyrene loose fill insulation is included in this section, but functions as thermal insulation only.

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.arcata.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 granular insulation in [cells of concrete masonry unit walls]; and [spaces between masonry wythes.] [_____].
- B. Related Sections:
 - 1. Section 07 26 00 - Vapor Retarders: Vapor retarder materials to adjacent insulation.
 - 2. Section 07 27 00 - Air Barriers: Air barrier materials to adjacent insulation.
 - 3. Section [09 21 16 - Gypsum Board Assemblies:] [_____-_____]: Acoustic insulation.
- C. Related Sections:
 - 1. Section 07260 - Vapor Retarders: Vapor retarder materials to adjacent insulation.
 - 2. Section 07270 - Air Barriers: Air barrier materials to adjacent insulation.
 - 3. Section [09260 - Gypsum Board Assemblies:] [_____-_____]: Acoustic insulation.

1.2 REFERENCES

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

- A. ASTM International:
 - 1. ASTM C516 - Standard Specification for Vermiculite Loose Fill Thermal Insulation.
 - 2. ASTM C549 - Standard Specification for Perlite Loose Fill Insulation.
 - 3. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 - 4. ASTM E970 - Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source.
- B. Underwriters Laboratories of Canada:
 - 1. ULC S102.2 - Standard method of Test for Surface Burning Characteristics of Floor Coverings and Miscellaneous Materials and Assemblies.

1.3 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe components used to assemble system. Do not repeat statements made in SUMMARY Article; "Section includes" paragraph.

- A. Materials of This Section: Provide continuity of thermal barrier at building enclosure elements. [in conjunction with thermal insulating materials in Section [_____]].

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.
- B. Product Data: Submit data on product characteristics, performance criteria, limitations, [and] [_____].
- C. Manufacturer's Installation Instructions: Submit procedure for preparation and installation.
- D. Manufacturer's Certificate: Certify [products] [_____] meet or exceed [specified requirements.] [_____].

1.5 SUSTAINABLE DESIGN SUBMITTALS

- A. Section 01 81 13 - Sustainable Design Requirements {01351 - Sustainable Project Requirements}: Requirements for sustainable design submittals.
- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.