

SECTION 07 21 16 {07213}

BLANKET INSULATION

{BATT INSULATION}

This section includes glass fiber or mineral wool batt insulation in roll or blanket form for use as thermal barrier; often used in intimate contact with vapor retarder or air seal material.

A vapor retarder can be achieved with facings on batt insulation or as separate vapor retarder sheet; both methods are included in this section. Vapor retarder requirements are specified in Section 07 26 00 {07260}. Air barrier requirements are specified in Section 07 27 00 {07270}.

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 batt insulation [and vapor retarder] in exterior wall and [ceiling] [roof] construction; and batt insulation for filling [perimeter window and door shim spaces,] [crevices in exterior wall and roof].
- B. Related Sections:
 - 1. Section 07 21 13 - Board Insulation.
 - 2. Section 07 26 00 - Vapor Retarders: Vapor retarder materials adjacent to insulation.
 - 3. Section 07 27 00 - Air Barriers: Air barrier materials adjacent to insulation.
 - 4. Section 07 84 00 - Firestopping.
 - 5. Section [_____-_____]: Batt insulation within metal [wall] Section [09 21 16 - Gypsum Board Assemblies:] [_____-_____]: Acoustic insulation.
 - 6. [roof] cladding system.
- C. Related Sections:
 - 1. Section 07260 - Vapor Retarders: Vapor retarder materials adjacent to insulation.
 - 2. Section 07270 - Air Barriers: Air barrier materials adjacent to insulation.
 - 3. Section 07212 - Board Insulation.

4. Section 07840 - Firestopping.
5. Section [_____ - _____]: Batt insulation within metal [wall] [roof] cladding system.
6. 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 C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
 2. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
 3. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials.
 4. ASTM E970 - Standard Test Method for Critical Radiant Flux of Exposed Attic Floor Insulation Using a Radiant Heat Energy Source.

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 [_____]].
- B. Materials of This Section: Provide thermal protection to vapor retarder in conjunction with vapor retarder materials in Section [07 26 00 {07260}.] [_____].
- C. Materials of This Section: Provide thermal protection to air seal materials at building enclosure elements in conjunction with air barrier materials in Section [07 27 00 {07270}.] [_____].

1.4 PERFORMANCE REQUIREMENTS

ASTM E96/E96M permits testing using desiccant and water methods. Samples may be tested with one surface wetted when using water method. Samples may be tested with low humidity on one side and high humidity on opposite side. Single material tested using various conditions will produce different test results.

Select test method and service conditions when necessary to suit application.
