

## SECTION 07 21 19 {07214}

### FOAMED-IN-PLACE INSULATION

#### {FOAMED-IN-PLACE INSULATION}

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This section includes on site applied foam insulation, by spray, frothing, or pouring, primarily for thermal barrier. Building code regulations often require fire protective coating or cover over this insulation type. This material is not intended to be used for roofing.

This section describes polyurethane, polyisocyanurate, and urea formaldehyde types. Urea formaldehyde type is sometimes used for acoustical purposes.

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](http://www.4specs.com), ARCAT at [www.arcat.com](http://www.arcat.com), First Source at [www.reedfirstsource.com](http://www.reedfirstsource.com), SpecSource at [www.specsource.com](http://www.specsource.com), and Sweets Network at [products.construction.com](http://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](mailto:supportcenter@csrf.org) to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at [www.spectext.com](http://www.spectext.com) for current product announcements.

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## PART 1 GENERAL

### 1.1 SUMMARY

- A. Section includes foamed-in-place insulation [in masonry cavity walls,] [in exterior framed walls,] [at exterior wall crevices requiring thermal seal,] [and] [\_\_\_\_\_]; and foamed-in-place insulation at junctions of dissimilar wall and roof materials to achieve thermal [and air] seal [, with protective [overcoat] [cover]].
- B. Related Sections:
  - 1. Section 07 26 00 - Vapor Retarders.
  - 2. Section 07 27 07 - Air Barriers: Materials continuing air barrier seal.
  - 3. Section [\_\_\_\_\_-\_\_\_\_\_]: Roof insulation.
  - 4. Section [\_\_\_\_\_-\_\_\_\_\_]: Integral wall insulation.
- C. Related Sections:
  - 1. Section [\_\_\_\_\_-\_\_\_\_\_]: Integral wall insulation.
  - 2. Section [\_\_\_\_\_-\_\_\_\_\_]: Roof insulation.
  - 3. Section 07260 - Vapor Retarders.
  - 4. Section 07270 - Air Barriers: Materials continuing air barrier seal.

## 1.2 REFERENCES

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

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- 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 C1029 - Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation.
  - 3. ASTM D1621 - Standard Test Method for Compressive Properties of Rigid Cellular Plastics.
  - 4. ASTM D1622 - Standard Test Method for Apparent Density of Rigid Cellular Plastics.
  - 5. ASTM D2482 - Standard Test Method for Surface Strength of Paper (Wax Pick Method).
  - 6. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 7. ASTM E96/E96M - Standard Test Methods for Water Vapor Transmission of Materials.
- B. Green Seal:
  - 1. GS-11 - Product Specific Environmental Requirements.

## 1.3 PERFORMANCE REQUIREMENTS

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

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- A. Conform to [applicable] [\_\_\_\_\_] code for [flame and smoke,] [concealment,] [and] [over coat] requirements.

## 1.4 SUBMITTALS

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Only request submittals needed to verify compliance with Project requirements.

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- A. Section 01 33 00 - Submittal Procedures {01330 - Submittal Procedures}: Submittal procedures.
- B. Product Data: Submit product description, insulation properties, preparation requirements [, and overcoat properties].
- C. Manufacturer's Installation Instructions: Submit special procedures, perimeter conditions requiring special attention, and [\_\_\_\_\_].
- D. Manufacturer's Certificate: Certify [products] [\_\_\_\_\_] meet or exceed [specified requirements.] [\_\_\_\_\_].