Section 07 00 00
Acoustical Joint Sealants

NOTE TO SPECIFIER: This specification section addresses only “Acoustical Joint Sealants” associated with sound attenuation. Specifications for other purposes, such as “Elastomeric Joint Sealants”, under companion section 07 84 43 must be evaluated separately.

PART 1 - General
1.01 Related Documents:
   A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Section, apply to work specified in this section.

1.02 Definitions:
   A. Acoustic Joint Sealant: “Acoustic Joint Sealant or Spray: Material or combination of materials used to achieve specified acoustical rating of non-fire-rated assembly by providing an effective barrier against sound transmission through construction joint and through penetration openings.”

1.03 General Description of the Work of this Section:
   Only tested acoustic systems shall be used in specific locations as follows:
   A. Top-of-Wall, Wall-to-Wall, Bottom-of-Wall Joints in gypsum board partitions.
   B. Top-of-Wall, Wall-to-Wall, Floor-to-Wall Joints in concrete walls.
   C. Floor-to-Floor Joints in concrete floors
   D. Through-penetrations in gypsum and masonry walls and floors.

1.04 Related Work of Other Sections
   A. Coordinate work of this section with work of other sections as required to properly execute the work and as necessary to maintain satisfactory progress of the work of other sections, including:
      1. Section 07 84 00 - General Firestopping
      2. Section 07 84 13 - Penetration Firestopping
      3. Section 07 84 43 - Joint Systems
      4. Section 07 84 53 - Building Perimeter Firestopping
      5. Section 22 00 00 - Plumbing Firestopping
      6. Section 23 00 00 - HVAC Firestopping
      7. Section 26 00 00 - Electrical
      8. Section 27 05 28 - Communications Firestopping
SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)
Concrete Head-of-Wall Joints

1/4" (6.4mm) Thickness Both Sides of Wall

1/2" (12.7mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/4" (6.4mm) Thickness Both Sides of Wall

1/2" (12.7mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/4" (6.4mm) Thickness Both Sides of Wall

1/2" (12.7mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

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SpecSeal® Smoke ‘N’ Sound Sealant Application Details (Examples)
Concrete Head-of-Wall & Wall-to-Wall Joints

1/4" (6.4mm) Thickness Both Sides of Wall

1/2" (12.7mm) Thickness One Side of Wall

SpecSeal® Smoke ‘N’ Sound Sealant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Non-Rated Concrete Wall

SpecSeal® Smoke ‘N’ Sound Sealant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Non-Rated Concrete Wall

SpecSeal® Smoke ‘N’ Sound Sealant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Non-Rated Concrete Wall

SpecSeal® Smoke ‘N’ Sound Sealant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Non-Rated Concrete Wall

SpecSeal® Smoke ‘N’ Sound Sealant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Non-Rated Concrete Wall

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)

Concrete Floor-to-Wall & Floor-to-Floor Joints

1/4" (6.4mm) Thickness Both Sides of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Wall
- Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/4" (6.4mm) Thickness Both Sides of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/2" (12.7mm) Thickness Top Side of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Wall
- Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/2" (12.7mm) Wet Thickness Top Side of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/2" (12.7mm) Thickness Bottom Side of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Wall
- Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/2" (12.7mm) Thickness Bottom Side of Floor

- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)

Gypsum Board Head-of-Wall & Bottom-of-Wall Joints

1/4" (6.4mm) Thickness Both Sides of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness Both Sides of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Roof

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Roof

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall
SpecSeal® Smoke ‘N’ Sound Sealant Application Details (Examples)
Gypsum Board Head-of-Wall Joints

1/4" (6.4mm) Thickness Both Sides of Wall

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

Non-Rated Gypsum Wall

1/2" (12.7mm) Thickness One Side of Wall

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness Both Sides of Wall

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

Non-Rated Gypsum Wall

1/2" (12.7mm) Thickness One Side of Wall

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

Non-Rated Gypsum Wall

Gypsum Tight or Offset From Floor

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

Non-Rated Gypsum Wall

Concrete Floor

SpecSeal®
Smoke ‘N’ Sound
Sealant

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)
Gypsum Board Head-of-Wall & Bottom-of-Wall Joints

1/4" (6.4mm) Thickness Both Sides of Wall

- Roof
- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Gypsum Wall

1/2" (12.7mm) Thickness One Side of Wall

- Roof
- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness Both Sides of Wall

- Roof
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation
- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Gypsum Wall

1/2" (12.7mm) Thickness One Sides of Wall

- Roof
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation
- SpecSeal® Smoke 'N' Sound Sealant
- Non-Rated Gypsum Wall

1/4" (6.4mm) Thickness Both Sides of Wall

- Concrete Floor
- Non-Rated Gypsum Wall
- SpecSeal® Smoke 'N' Sound Sealant

1/2" (12.7mm) Thickness One Side of Wall

- Concrete Floor
- Non-Rated Gypsum Wall
- SpecSeal® Smoke 'N' Sound Sealant

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)

Concrete Through-Penetrations

1/4" (6.4mm) Thickness Both Sides of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Wall

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/2" (12.7mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Wall

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/4" (6.4mm) Thickness Both Sides of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Wall

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/2" (12.7mm) Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Wall

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/4" (6.4mm) Thickness Both Sides of Floor

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Floor

1/2" (12.7mm) Thickness Top Side of Floor

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

Non-Rated Concrete Floor

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Floor

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)
Concrete Through-Penetrations

1/4" (6.4mm) Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/2" (12.7mm) Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/4" (6.4mm) Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

1/2" (12.7mm) Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Concrete Wall

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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)
Gypsum Board Through-Penetrations

1/4" (6.4mm) Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/2" (12.7mm) Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Sealant
Non-Rated Gypsum Wall
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SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)

Spray Applied on One Side of Wall to a 1/8" Thickness
SpecSeal® Smoke 'N' Sound Sealant Application Details (Examples)
Joints Between Gypsum Board Layers in Non-Rated Gypsum Board Walls

3/8" (9.5mm) Diameter Bead Over Butted Seams

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall with Insulated Stud Cavities

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall with Insulated Stud Cavities and Resiliant Channels

SpecSeal® Smoke 'N' Sound Sealant

Non-Rated Gypsum Wall with Resiliant Channels

SpecSeal® Smoke 'N' Sound Sealant

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