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 Acoustical Spray Application Details (Examples)
Concrete Head-of-Wall Joints

1/8" (3.2mm) Wet Thickness Both Sides of Wall
- Concrete Floor
- Non-Rated Concrete Wall
- SpecSeal® Smoke 'N' Sound Spray Grade
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness One Side of Wall
- Concrete Floor
- Non-Rated Concrete Wall
- SpecSeal® Smoke 'N' Sound Spray Grade
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Concrete Head-of-Wall & Wall-to-Wall Joints

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Concrete Floor-to-Wall & Floor-to-Floor Joints

1/8" (3.2mm) Wet Thickness Both Sides of Floor

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

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

1/8" (3.2mm) Wet Thickness Top Side of Floor

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

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

1/8" (3.2mm) Wet Thickness Bottom Side of Floor

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

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

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Gypsum Board Head-of-Wall Joints

1/8" (3.2mm) Wet Thickness Both Sides of Wall

Concrete Floor

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness One Side of Wall

Concrete Floor

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

SpecSeal® Smoke 'N' Sound Spray Grade over SpeedFlex® Joint Profile

Non-Rated Gypsum Wall

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

1/8" (3.2mm) Wet Thickness Both Sides of Wall
- Concrete Floor
- SpecSeal® Smoke 'N' Sound Spray Grade
- Non-Rated Gypsum Wall
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness One Side of Wall
- Concrete Floor
- SpecSeal® Smoke 'N' Sound Spray Grade
- Non-Rated Gypsum Wall
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness Both Sides of Wall
- Concrete Floor
- SpecSeal® Smoke 'N' Sound Spray Grade
- Non-Rated Gypsum Wall
- Concrete Floor

1/8" (3.2mm) Wet Thickness One Side of Wall
- Concrete Floor
- SpecSeal® Smoke 'N' Sound Spray Grade
- Non-Rated Gypsum Wall
- Concrete Floor

Gypsum Tight or Offset From Floor
- Concrete Floor
- Fiberglass Batt Insulation or Mineral Wool Batt Insulation
- Non-Rated Gypsum Wall
- SpecSeal® Smoke 'N' Sound Spray Grade
- Concrete Floor
SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Gypsum Board Head-of-Wall Joints

1/8" (3.2mm) Wet Thickness Both Sides of Wall

- Fiberglass Batt Insulation or Mineral Wool Batt Insulation
- Roof
- SpecSeal® Smoke 'N' Sound Spray Grade
- SpeedFlex® Joint Profile
- Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness One Side of Wall

- Fiberglass Batt Insulation or Mineral Wool Batt Insulation
- Roof
- SpecSeal® Smoke 'N' Sound Spray Grade
- SpeedFlex® Joint Profile
- Non-Rated Gypsum Wall

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

1/8" (3.2mm) Wet Thickness Both Sides of Wall

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

1/8" (3.2mm) Wet Thickness One Side of Wall

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

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Gypsum Board Head-of-Wall & Wall-to-Wall Joints

1/8" (3.2mm) Wet Thickness Both Sides of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Assembly

1/8" (3.2mm) Wet Thickness One Side of Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Assembly

1/8" (3.2mm) Wet Thickness Both Sides of Wall

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness One Side of Wall

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness Both Sides of Wall

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

1/8" (3.2mm) Wet Thickness One Side of Wall

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

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SpecSeal® Smoke ‘N’ Sound Acoustical Spray Application Details (Examples)
Concrete Through-Penetrations

1/8" (3.2mm) Wet Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Wall
SpecSeal® Smoke ‘N’ Sound Spray Grade

1/8" (3.2mm) Wet Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Wall
SpecSeal® Smoke ‘N’ Sound Spray Grade

1/8" (3.2mm) Wet Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Wall
SpecSeal® Smoke ‘N’ Sound Spray Grade

1/8" (3.2mm) Wet Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Wall
SpecSeal® Smoke ‘N’ Sound Spray Grade

1/8" (3.2mm) Wet Thickness Both Sides of Floor
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Floor
SpecSeal® Smoke ‘N’ Sound Spray Grade

1/8" (3.2mm) Wet Thickness Top Side of Floor
Fiberglass Batt Insulation or Mineral Wool Batt Insulation
Through Penetrant
Non-Rated Concrete Floor
SpecSeal® Smoke ‘N’ Sound Spray Grade

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### SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
#### Concrete Through-Penetrations

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

1/8" (3.2mm) Wet Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant
SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

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

1/8" (3.2mm) Wet Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness Both Sides of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

1/8" (3.2mm) Wet Thickness One Side of Wall
Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Through Penetrant

SpecSeal® Smoke 'N' Sound Spray Grade
Non-Rated Gypsum Wall

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Spray Applied on Both Sides of Wall to a 1/8" Thickness

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Spray Applied on One Side of Wall to a 1/8" Thickness

Concrete Floor

Non-Rated Gypsum Wall

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Concrete Wall

Concrete Floor

SpecSeal® Smoke 'N' Sound Spray Grade

Through Penetrant

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

Concrete Floor

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Concrete Floor

Non-Rated Concrete Wall

Concrete Floor

SpecSeal® Smoke 'N' Sound Spray Grade

Fiberglass Batt Insulation or Mineral Wool Batt Insulation

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SpecSeal® Smoke 'N' Sound Acoustical Spray Application Details (Examples)
Joints Between Gypsum Board Layers in Non-Rated Gypsum Board Walls

1/8" (3.2mm) Wet Thickness Over Butted Seams

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Wall

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Wall with Insulated Stud Cavities

SpecSeal® Smoke 'N' Sound Spray Grade

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

SpecSeal® Smoke 'N' Sound Spray Grade

Non-Rated Gypsum Wall with Resiliant Channels

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1/8" (3.2mm) Wet Thickness Covering

Electrical Box

Non-Rated Gypum Wall

SpecSeal® Smoke 'N' Sound Spray Grade