

SECTION 07 84 00 {07840}

FIRESTOPPING

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This section includes products for closing openings in and penetrations through fire rated construction to maintain fire and smoke resistance ratings.

This section describes single and multiple component silicone elastomeric compounds, foam compounds, formulated compounds mixed with incombustible non-asbestos fibers, composite systems based on mineral fiber stuffing insulation, and mechanical devices with incombustible fillers.

Mechanical and electrical specification sections may specify firestopping products. Coordinate with mechanical and electrical work that reference products of this section.

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.arcata.com](http://www.arcata.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:

1. Firestopping through-penetrations of fire rated assemblies.
2. Firestopping joints in fire rated assemblies.
3. Firestopping tops of fire rated walls.
4. Smoke sealing at joints between floor slabs and exterior walls.
5. Smoke sealing penetrations and joints of smoke partitions.

B. Related Sections:

1. Section 04 05 03 - Masonry Mortaring and Grouting: Mortar used for firestopping.
2. Section 07 26 00 - Vapor Retarders: Vapor retarder materials to adjacent insulation.

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Reference the following paragraph when firestop materials are used between floor slab edges and vertical wall assemblies to reduce building stack effect.

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3. Section 07 27 00 - Air Barriers: Air barrier materials to adjacent insulation.
4. Section 07 81 00 - Applied Fireproofing: Spray applied fireproofing.
5. Section 09 21 16 - Gypsum Board Assemblies: Gypsum board fireproofing.
6. Section [\_\_\_\_\_-\_\_\_\_\_]: HVAC work requiring firestopping.
7. Section [\_\_\_\_\_-\_\_\_\_\_]: Electrical work requiring firestopping.
8. Section [\_\_\_\_\_-\_\_\_\_\_]: Plumbing work requiring firestopping.

C. Related Sections:

1. Section 04065 - Masonry Mortar and Grout: Mortar used for firestopping.
2. Section 07260 - Vapor Retarders: Vapor retarder materials to adjacent insulation.

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Reference the following paragraph when firestop materials are used between floor slab edges and vertical wall assemblies to reduce building stack effect.

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3. Section 07270 - Air Barriers: Air barrier materials to adjacent insulation.
4. Section 07810 - Applied Fireproofing: Spray applied fireproofing.
5. Section 09260 - Gypsum Board Assemblies: Gypsum board fireproofing.
6. Section [\_\_\_\_\_-\_\_\_\_\_]: Plumbing work requiring firestopping.
7. Section [\_\_\_\_\_-\_\_\_\_\_]: HVAC work requiring firestopping.
8. Section [\_\_\_\_\_-\_\_\_\_\_]: Electrical work requiring firestopping.

## 1.2 REFERENCES

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List reference standards included within text of this section. Edit the following for Project conditions. Differing tests are utilized by manufacturers in qualifying similar products to regulatory agency performance criteria.

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A. ASTM International:

1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
2. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials.
3. ASTM E814 - Standard Test Method for Fire Tests of Through-Penetration Fire Stops.
4. ASTM E1966 - Standard Test Method for Fire-Resistive Joint Systems.

B. Forest Stewardship Council:

1. FSC Guidelines - Forest Stewardship Council Guidelines.

C. Intertek Testing Services (Warnock Hersey Listed):

1. WH - Certification Listings.

D. South Coast Air Quality Management District:

1. SCAQMD Rule 1168 - Adhesive and Sealant Applications.

E. Underwriters Laboratories Inc.:

1. UL 263 - Fire Tests of Building Construction and Materials.