

Say
Yes
to

LOCTITE

FIRE BLOCK FOAM FAQ'S

Loctite® Fire Block Foam is intended to resist the passage of flames or other products of combustion through specified penetrations in concealed spaces.



■ What is the difference between a fire block and fire stop seal?

- Fire Block seal – Intended to prevent the passage of smoke or flame within the concealed floor, wall and ceiling cavity, tested up to a one hour rating.
- Fire Stop Seal – A product that contains a compound that will not burn, that is intumescent in nature. When near flames will form an ash crust, thus preventing the production of fire. **Loctite Fire Block Foam must not be used for fire stop applications.**

■ Where can Loctite Fire Block Foam be applied?

- For fire blocking applications – At mechanical, electric and service penetrations, or gaps in “concealed” floor, wall, and ceiling cavities.
- For general gap filling – wiring and plumbing penetrations, HVAC duct work, basement and crawl space drafts, sill plate, attic hatch, interior/exterior.

■ Can Loctite Fire Block Foam be used in residential and commercial construction?

- Loctite Fire Block Foam can only be used in type V residential construction(wood frame)and not for use in commercial construction.

■ Is Loctite Fire Block Foam in compliance with the building codes?

- Loctite Fire Block Foam is UL certified and does comply with both IBC and IRC building codes.
- It has been tested for fireblocking to:
 - ASTM E814 (modified) - Standard Test Method for Fire Tests of Penetration Firestop Systems. A test to determine the performance of a fire stop system with respect to exposure to a standard time-temperature fire test.
 - UL723 (ASTM E84) Standard for test for Surface Burning Characteristics of Building Materials. This test method is to determine the relative burning behavior of the material by observing the flame spread along the specimen. Flame spread and smoke developed index are reported.
 - NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. This fire test measures certain fire performance characteristics of spray-applied foam plastic materials in an enclosure under specified fire exposure conditions. It determines the extent to which the materials may contribute to fire growth in a room and the potential for fire spread beyond the room under particular conditions simulated.

■ Where in the building code can you find requirements for fire blocking, when using Loctite Fire Block Foam?

- International Building Code, chapter 7 section 718.
- International Residential Code, chapter 3 section 302.11

■ Is there a gap size restriction when applying Loctite Fire Block Foam to penetrations in fire blocking applications?

- The minimum gap size is 1/4" inch and maximum gap is 1 inch

■ Is there a depth requirement when foam is applied to the penetration in fire blocking applications?

- When the foam is applied to the penetration, it must fill the entire void in the penetration or hole.
- The fire code requires that fire blocking must be installed in walls at 10' foot intervals both horizontally and vertically.

■ Can an installer apply fire block foam in every penetration horizontally and vertically or only at 10' foot intervals?

- Fire block foam can be applied to all penetrations horizontally and vertically. The fire code requires that fire blocking must be installed, as a minimum, at every 10' foot intervals.

■ Is it allowed to cut the expanded fire foam after it has cured?

- **NO.** The fireblocking characteristics of the foam are greatly reduced when it is cut.

■ What is the application temperature range for Loctite Fire Block Foam?

- Between 14°F (-10°C) and 86°F (30°C).

■ What is the cure time for Loctite Fire Block Foam?

- Approx. 24 hours, but time is dependent on temperature, humidity and depth of sealant applied.