



Fire Protection Products

3M™ Fire Block Sealant FB 136

Technical Data Sheet

July / 2019

Product Description

3M™ Fire Block Sealant FB 136 is a versatile, one component, non-combustible draft, smoke and fire-blocking sealant, designed to resist high temperatures and smoke passage in non-rated construction.

3M™ Fire Block Sealant FB 136 features superior adhesion strength, caulk rate and non-sag application, plus a halogen-free formula.

3M™ Fire Block Sealant FB 136 can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel. 3M™ Fire Block Sealant FB 136 will bond to most construction surfaces: concrete, brick, gypsum, metals, wood, plastic, cable jacketing and glass. No mixing required.

Product Features

- Easy clean-up with water
- Thixotropic: will not sag or run in vertical or overhead applications
- Fast dry: tack free in approximately 15 minutes
- Minimal shrinkage
- Gray color
- High caulk rate

Applications

3M™ Fire Block Sealant FB 136 is ideal to seal interior construction voids around through penetrations in wood or steel framed non-rated construction. Product may also be used around chimney, fireplace and other framing gaps. Not for exterior use.

Specifications

3M™ Fire Block Sealant FB 136 is a one-part non-combustible latex mortar. The material shall be thixotropic and be applicable to overhead, vertical and horizontal applications.

3M™ Fire Block Sealant FB 136 is tested to and passed the criteria of ASTM E-136 Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C (1380°F). The sealant complies with the requirements of the International Building Code (IBC), International Residential Code (IRC), International Fire Code (IFC), International Mechanical Code (IMC), International Fuel Gas Code (IFGC) and NFPA 5000.

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Performance and Typical Physical Properties	Colors Available	Gray
	Tack-Free Time	15 minutes at 72°F/22°C
	Density	14.7 lb./gal (1.76 Kg/L)
	Solids Content by Weight	70%
	VOC	0 g/L
	Service Temperature	Up to 1380°F (750°)

Fire-Blocking Code Requirements	Building Code	Section
	International Building Code (IBC)	702, 705.7, 707.2.6, 708.4, 711.4, 712.3.2.1.3, 716.6.3, 717, 803.4.1, 1406.2.4, 2111.11, 2111.13, 2113.19, 2113.20
	International Fire Code (IFC)	703.1.1
	International Residential Code (IRC)	R502.13, R602.4, R602.8, R1001.15, R1001.16, R1003.11, R1003.13
	International Residential Mechanical Code (IRMC)	M1601.3.3, M1801.9
	International residential Fuel Gas Code (IRFGC)	G2425.15.4

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Installation Techniques

Consult a 3M Authorized Fire Protection Products Distributor or Sales Representative for applicable UL, ULC, Intertek or other third-party drawings and system details.

Preparatory Work: Surface should be clean and free of frost, oil, grease, or debris to allow for proper adhesion of 3M™ Fire Block Sealant FB 136. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel.

Installation Details: Cut the end of the 3M™ Fire Block Sealant FB 136 tube spout to achieve the desired bead width. Caulk should be at room temperature for application. Surface and air temperatures should be above 40°F (5°C). Caulk 3M™ Fire Block Sealant FB 136 into opening flush with surrounding surface(s). Tool within five minutes, if required. Clean all tools immediately after use.

Limitations: 3M™ Fire Block Sealant FB 136 has not been tested for and it is not to be used as a firestopping material in rated construction. Apply 3M™ Fire Block Sealant FB 136 for interior applications only. This product is not flexible when dry and may not be suitable for application to surfaces where vibration, expansion and contraction is present. Do not expose 3M™ Fire Block Sealant FB 136 to water. This material is water-based and water-soluble when dry. Do not install when temperature is below 32°F (0°C). Compatibility to plastics should be confirmed prior to use.

Maintenance

No maintenance is expected to be required when installed in accordance with the 3M™ Fire Block Sealant FB 136 specifications listed above. Once installed, if any section of the 3M™ Fire Block Sealant FB 136 is damaged, the following procedure will apply: Any damaged product must be cut out and removed. The open area created must then be filled with new product. The new product must overlap a minimum 1 in. (25.4 mm) onto the previously installed product.

Storage and Shelf Life

3M™ Fire Block Sealant FB 136 should be stored indoors in dry conditions. It is recommended that the product remains in heated storage above between 40°F (5°C) and 96°F (35°C).

3M™ Fire Block Sealant FB 136 shelf life is 12 months from date of manufacture when stored in a clean, dry area.

Availability

Available from 3M Authorized Fire Protection Products Distributors. For additional technical and purchasing information, call 1-800-328-1687 or visit 3M.com/firestop.

Safe Handling

Consult Safety Data Sheet prior to handling and disposing of 3M™ Fire Block Sealant FB 136.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Warranty, Limited Remedy

Warranty: 3M warrants that the Product will be free from defects in material and manufacture during the Extended Warranty Period. If the Product does not conform to this warranty during the Extended

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and Disclaimer

Warranty Period, then 3M will, as the sole and exclusive remedy, provide replacement Product (or, if replacement material is unavailable, refund the Product purchase price) for the Project. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.

This warranty is void if the Product is not installed: (1) in accordance with the applicable UL or Intertek listings; (2) in accordance with the applicable Product data sheet and installation instructions; (3) in accordance with the specifications for the Project; and (4) by a 3M trained Installer. This warranty does not cover damage or failure caused by Product misuse, improper Product storage, improper Product installation, Product or Project abuse, natural disasters, or other force majeure events.

Limitation of Liability

EXCEPT FOR THE LIMITED EXTENDED WARRANTY AND REMEDY STATED ABOVE, AND EXCEPT TO THE EXTENT PROHIBITED BY LAW, 3M WILL NOT BE LIABLE FOR ANY LOSS OR DAMAGE ARISING FROM OR RELATING TO THE PRODUCT, WHETHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL, (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS OR BUSINESS OPPORTUNITY), REGARDLESS OF THE LEGAL OR EQUITABLE THEORY ASSERTED, INCLUDING, BUT NOT LIMITED TO, WARRANTY, CONTRACT, NEGLIGENCE, OR STRICT LIABILITY.

Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the 3M product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.



Industrial Adhesives and Tapes Division
3M Center, Building 225-3S-06
St. Paul, MN 55144-1000

Phone 800-328-1687
Fax 877-369-2923
Web 3M.com/firestop

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