



TECHNICAL DATA SHEET

TREMSTOP™ FBF

Rigid Polyurethane Fire Block Foam
to Block/Reduce Air Available
for Combustion

PRODUCT DESCRIPTION

TREMstop™ FBF is a Class III single-component polyurethane foam that will cure rapidly once applied. This gun-grade rigid foam is resistant to flame, heat, decay, water, and many chemicals. TREMstop FBF is intended to block or reduce air movement around common small interior thru-wall and fire penetrations during a fire event reducing the amount of oxygen available for flame propagation.

BASIC USES

TREMstop FBF is intended for use in backfilling and insulation applications, including filling connecting joints of window and door frames. It can be used to plug interior wall penetrations ranging from ½" to 1" in diameter, such as those found in the following:

- Electrical Penetrations
- Electrical Boxes
- Plumbing
- HVAC

FEATURES & BENEFITS

TREMstop FBF is a rapid curing rigid foam that demonstrates excellent adhesion to a variety of substrates. This foam is compatible with most common construction substrates, including concrete, masonry, stone, plaster, wood, fiber cement, metal, and many plastics.

- Compatible plastics include polystyrene, rigid polyurethane foam, polyester, and hard PVC
- Good dimensional stability
- Tinted Orange to indicate it's status as a "Fire Block" product
- ASTM E84 Class III Rating

The rapid cure of TREMstop FBF allows for faster job completion, cutting down on labor costs. Additionally, TREMstop FBF provides high sound and thermal insulation in addition to blocking air movement to limit flame propagation during a fire event. It is resistant to flame, heat, decay, water, and many chemicals; providing a long-lasting seal.

- Open time of 10 minutes
- Cutting time of 30 minutes

AVAILABILITY

Available from your local Tremco Sales Representative, Tremco Distributor, or Tremco Warehouse in 25.4 oz (750 mL) canisters of gun-grade foam.

COLORS

Available in Orange.

LIMITATIONS

The joint opening must be clean of foreign matter, sound, durable, and stable. Prepare surfaces by removing all loose particles, dust, and grease prior to application of TREMstop FBF.

Application of TREMstop FBF at colder temperatures may result in changed characteristics. Humidity usually drops with temperature and chemical reactions tend to slow down as the temperature drops. Additionally, the fluid polyurethane polymer in the can becomes

more viscous when cold. The ideal ambient temperature for applying the foam is 68°F (20°C), but at temperatures of 14°F (-10°C), yield can decrease by 40% and curing time increases about 10 times. In colder conditions, the foam becomes more brittle, may expand less and the foam may develop slower with bigger cells, which can influence its insulation properties and overall performance. Once the temperature rises again the brittleness and flexibility will return to normal performance.

WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

TYPICAL PHYSICAL PROPERTIES		
PROPERTY	TEST METHOD	TYPICAL RESULTS
Flame Spread	ASTM E84	110
Smoke Development	ASTM E84	120
Application Temperature		41 to 95 °F (5 to 35°C)
Temperature Resistance (short)		-40 to 266 °F (-40 to 130 °C)
Temperature Resistance (long)		-40 to 194 °F (-40 to 90 °C)
Tack Free Time		10 min
Cut Time		30 min
Tensile Strength		
Dry		62 kPa
Wet		92 kPa
Elongation at Break		
Dry		10 %
Wet		15.5 %
Shear Strength		
Dry		34 kPa
Wet		44 kPa
Postexpansion		15 %
Water Absorption		0.2 kg/m ²
Density		15 to 25
Theoretical Yield		49 L (1.7 ft ³)

Please refer to our website at www.tremcosealants.com for the most up-to-date Product Data Sheets.

NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.

TSFBB/1225

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