

FIRE BLOCK FOAM SEALANT

Description

Fire Block Foam Sealant is a self-extinguishing aerosol polyurethane foam designed for filling, sealing, and bonding gaps. It comes with a straw adapter included in each can for easy dispensing.

Properties & Features

- Excellent adhesion and filling capacity
- Suitable for filling wide gaps due to its high expansion rate
- Economical consumption with precise application
- High yield of up to 10.6 gallons, depending on temperature and humidity
- Resistant to mold and water, and can be painted over

Fields of Application

- Insulating electrical outlets and water pipes
- Fixing and insulating door and window frames
- Filling and sealing gaps, joints, and cavities
- Filling penetrations in walls

Directions for Use

Surface preparation and foam application:

Surface cleaning: Ensure that the substrates are in good condition, clean, dry, and free from dust, grease, rust, and other contaminants that may affect adhesion. Sprinkle the working surface with water (e.g., using a gardening sprinkler) at a temperature above 32°F.

Product preparation: If the can is too cold or hot, bring it to room temperature by immersing it in cold or warm water or leaving it at room temperature for at least 24 hours. The optimal can temperature is 68°F.

Foam application: Put on protective gloves. Shake the can well before use. Attach the can to the applicator and hold it upside down. Activate the foam by pressing the valve. Always handle the canister with the valve pointing downwards. Moisturizing the surfaces and the foam improves adhesion and shortens curing time. Fill vertical gaps with foam starting from the bottom and moving up. Do not overfill the gap as the foam will expand.

Tooling and finishing: After the foam has fully hardened, protect it from UV rays by using plaster or paints. It is recommended to use the entire can without stopping for more than 5 minutes between spraying to prevent foam from drying in the applicator.

Cleaning: Fresh foam can be cleaned with Foam Cleaner. Cured foam can be mechanically cleaned.

Remarks & Restrictions

- The curing process is influenced by temperature and humidity. A decrease in ambient temperature within 24 hours after application below the minimum application temperature can affect the quality and integrity of the seal.
- Rushing through the preliminary treatment may cause irreversible changes in the foam's structure, stability, and utility parameters.
- The quality and condition of the applicator used can affect the final product's performance.
- Avoid using the foam in poorly ventilated spaces without access to fresh air or in areas exposed to direct sunlight.
- Using the foam in a position other than "valve facing down" will reduce its efficiency.
- Cured foam may discolor when exposed to ultraviolet light.
- For optimal outdoor applications, it is recommended to paint or coat the cured foam.
- Lower temperatures decrease the foam's yield and curing time

Product Information

Packaging	Net 24 Oz. / 690 g. / 750 ml
Shelf Life	12 months
Storage	At cool and dry ambient. In between +41°F to +86°F. max. 60% relative humidity.

Technical Data

Parameter	Method / Conditions	Value
Basis		Polyurethane Prepolymer
Curing Mechanism	Moisture cure	
Full Cure Time		24 hours
Foam Color		Light Red
Volumetric Yield	ASTM C1536 – TM 1003 : 2013*	30-40 L
Flammability Class	DIN 4102-1	B2
UL Score	UL 723	Flame Spread: 10
		Smoke Developed: 15
Compression Strength	DIN 53421 – TM 1011 : 2013*	4.35 psi (30 kPa)
Dimensional Stability	ISO2796/86 – TM 1004 : 2013*	± 10%
Tack-Free Time	ASTM C1620 – TM 1014 : 2013*	6 ± 3 min
Cutting time	ASTM C1620 – TM 1005 : 2013*	≤ 40 min
Can/Applicator Temperature	Optimal 68°F	Between +41°F and +86°F
Temperature Resistance	Cured Foam	Between -103°F and +194°F
Application Temperature	Ambient and surface	Between +41°F and +86°F

Safety

Contains Diphenylmethane-4,4'-Diisocyanate. Harmful if inhaled. Irritating to the eyes, respiratory system, and skin. Avoid breathing the spray/vapor. Wear suitable protective clothing and gloves. Use only in well-ventilated areas. Pressurized container. Keep away from direct sunlight and do not expose to temperatures over 122°F. Do not puncture or burn, even after use. Keep away from sources of ignition and do not smoke. Keep out of the reach of children.

Disclaimer

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