



## TITE FOAM Insulating Foam Sealant

**Description:** Loctite TITE FOAM is a new generation of polyurethane-based insulating foam sealant that expands to fill, seal and insulate gaps & cracks inside or out. It is a white polymer foam based on purified & concentrated ingredients that provides 4x more density vs conventional foams for better durability & insulation. It is easy to use and apply with its attached straw applicator and provides a quick durable seal from the elements. Loctite TITE FOAM Insulating Foam Sealant has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Product does not contain CFC-propellants.

**Available As:**

Item #	Size	Color
1988753	12 fl oz (340 g)	White

**Features & Benefits:**

- 4x more density vs conventional foams for better durability & insulation
- Seals out drafts, moisture and pests
- UV resistance reduces foam brittleness and darkening\*
- Strong adhesion while providing flexibility to move with building materials
- Applies soft and cures rigid with a bright white color
- Indoor & outdoor safe
- Tack Free in 8 minutes, Trims in 50-70 minutes
- Sandable & Paintable

**Recommended For:**

Loctite TITE FOAM is suitable for interior and exterior projects. It has excellent adhesion to most building materials including wood, metal, stone, brick and PVC. Use for filling gaps and cracks and sealing around wiring and plumbing penetrations, HVAC ductwork, basement and crawlspace drafts, sill plate & rim joists, attic hatches, under baseboards, gas line penetrations and outside water faucets. Can also be used to sealing out drafts and moisture as well as keeping out pests and bugs.

**For Best Results:**

- TITE FOAM is not a fire stopping material and SHOULD NOT be used in areas that require fireproof or fire stopping materials
- Despite significantly higher UV resistance, it is still recommended to protect the foam from UV radiation. Exposed foam should be coated with a protective covering or coating
- Do not store product on its side
- Does not bond polyethylene, polytetrafluoroethylene (PTFE)/Teflon® or siliconized surfaces
- For cold weather application, product should be stored at room temperature at least 12 hours before application
- In dry conditions, it is recommended to fill gaps in several layers by application of smaller foam strings (up to 2 inches thickness)

**Coverage:**

For a 12 oz (340 g) can:

- A 3/8" (9.5 mm) bead size will deliver approximately 134 ft (41.1 m) of foam

Note: Yields shown are based on theoretical calculations, for comparison purposes, and will vary depending on ambient conditions and particular application.



# TECHNICAL DATA SHEET

## Typical Uncured Physical Properties:

Color:	White	
Appearance:	Polymer foam	
Base:	Single component polyurethane	
Odor:	Slightly, of ether	
Specific Gravity:	1.107	
Flash Point:	<20°C (<68°F)	
VOC Content:	19.28% by weight 208.6 g/l	CARB SCAQMD rule 1168
Shelf Life:	15 months from date of manufacture (unopened)	
Lot Code Explanation:	<b>MM/DD/YYYY (bottom of canister)</b> <b>MM/DD/YY (on box)</b> <b>MM</b> = Month of manufacture <b>DD</b> = Day of manufacture <b>YYYY</b> = Year of manufacture Example: 10/31/2014 = October 31 <sup>st</sup> , 2014	

## Typical Application Properties:

Application Temperature:	Ambient conditions should be between 23°F (-5°C) and 95°F (35°C). Can temperature must be between 41°F (5°C) and 86°F (30°C). For use at colder conditions, product should be stored at room temperature for at least 12 hours.
Tack-Free Time:	6-8 minutes* At 73°F and 50% relative humidity
Cut Time:	50-70 minutes*
Cure Time:	Approx. 24 hours* *Time is dependent on temperature, humidity and depth of sealant applied

## Typical Cured Performance Properties:

Color:	White	
Service Temperature:	-40°F (-40°C) to 194°F (90°C) -40°F (-40°C) to 248°F (120°C)	Long-term exposure Short-term exposure
Paintable:	Yes	
Sandable:	Yes	
Dimensional Stability:	< ±5%	TM 1004-2012
Maximal Joint Width:	2 inches (5 cm)	TM 1006-2011 (At 41°F)
Movement Capability:	>25%	TM 1013-2013
Shear Strength:	85 kPa	TM 2012-2011

## Directions:

### **Tools Typically Required:**

Utility knife, painter's tape or foil for protecting surfaces.

### **Safety Precautions:**

Always wear eye protection, gloves and proper work clothes when using Loctite TITE FOAM. Wash hands after use. Cured foam is difficult to remove from skin, clothing and other substrates. May discolor skin.

### **Surface Preparation:**

Ensure all surfaces are clean and free from dirt, dust, oil and other contaminants likely to impair adhesion. Surfaces can be moist but not frosted or iced. Cover surfaces not intended to be foamed. To ensure full and even curing of the foam on porous substrates (ie. brickwork, concrete), moisturize surfaces with water spray before application.

### **General Preparation:**

The temperature of the working area should be between 23°F (-5°C) and 95°F (35°C). The temperature of the product should be between 41°F (5°C) and 86°F (30°C). When working in cold conditions, can should be stored at room temperature for at least 12 hours before use. Shake can vigorously before use for 30 seconds (15-20 times minimum). Screw the foaming straw to the valve.



# TECHNICAL DATA SHEET

**Application:**

Holding can upside down, press the trigger which controls outflow rate of the foam. Dispense the foam sparingly, filling the joint initially by half to avoid excessive overflows. Shake can regularly during use. Slight misting with water can speed cure. Foam can be trimmed with a knife after an hour. Foam will be fully cured in approximately 24 hours. It is recommended foam be protected from UV radiation by a protective covering or coating such as paint, plaster, mortar, etc.

**Note:** Ambient temperature and humidity can affect foam curing and maximal joint width. In dry conditions, to get the best foam structure and properties, it is recommended to fill gaps and joints in several layers by the application of smaller foam strings (up to 2 inches thickness). At very dry conditions, the foam may be brittle after hardening. This brittleness is a temporary effect.

**Clean-up:**

Clean tools and uncured foam residue immediately with acetone. Cured foam must be carefully cut away with a sharp-edged tool.

**Storage & Disposal:**

Product should be stored vertically, not horizontally on its side.

Store in a cool, dry place. For maximum performance and shelf life, store between 50°F (10°C) and 80°F (27°C). The product can be stored for a maximum of 1 week at -4°F (-20°C). Do not store below -4°F (-20°C), below this temperature product valve may spontaneously open resulting in leakage.

Containers are under pressure. Do not expose to open flame or temperatures above 120°F (49°C). Do not store under direct sunlight. Excessive heat can cause bursting and premature aging of components resulting in shorter shelf life. When containers are empty, vent off any excess pressure. DO NOT discard empty can in garbage compactor. DO NOT incinerate. DO NOT puncture, cut or weld container.

**If the container is free of propellant, this product is not regulated as hazardous waste per 40 CFR 261.20-24.**

**For disposal of unused product please see information below:**

**Recommended method of disposal for unused product:** Dispose of according to Federal, State and local governmental regulations.

**Hazardous waste number:** It is the responsibility of the user to determine if an item is hazardous as defined in the Resource Conservation and Recovery Act (RCRA) at the time of disposal. Product uses, transformations, mixtures, processes, etc., may render the resulting material hazardous, under the criteria of ignitability, corrosivity, reactivity and toxicity characteristics of the Toxicity Characteristics Leaching Procedure (TCLP) 40 CFR 261.20-24.

**Label Precautions:**

**DANGER! EXTREMELY FLAMMABLE. VAPOR MAY CAUSE FLASH FIRE. VAPOR AND SPRAY MIST HARMFUL, OVEREXPOSURE MAY CAUSE LUNG DAMAGE. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. CONTENTS UNDER PRESSURE.**

**DANGER!** Contains polyurethane prepolymer, methylenediphenyldiisocyanate polymer, diphenylmethanediisocyanate, dimethylether and hydrocarbon propellant mixture. Do not use near sparks, heat or open flame. Vapors will accumulate readily and may ignite explosively. Ventilate area during use and until all vapors are gone. DO NOT SMOKE. Extinguish all sources. If burned, dried foam may release hazardous decomposition products. Dried foam may be combustible if exposed to flame or temperatures above 240°F. Avoid prolonged exposure to sunlight or heat from radiators, stoves, hot water and other heat sources that may cause bursting. Do not puncture, incinerate, burn or store above 120°F. Do not discard empty can in garbage compactor. Gives off harmful vapor of solvents and isocyanates. Do not use if you have chronic lung or breathing problems, or if you have ever had a reaction to isocyanates. Use with adequate ventilation. Use appropriate respiratory protection when potential to exceed exposure limits exist. If you have breathing problems during use, leave the area and get fresh air. If symptoms develop or persist, call a doctor or obtain medical treatment; have this label with you. **EYE AND SKIN IRRITANT.** Avoid contact with eyes and skin. Prolonged or repeated skin contact may lead to sensitization and dermatitis. Wash hands after using. Do not swallow. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. **FIRST AID:** For eye contact flush with water for 15 minutes. Call a physician if irritation develops and persists. For skin contact, wipe off excess uncured foam with clean rag or paper towel immediately. Get medical attention if irritation develops and persists. If affected by inhalation, remove to fresh air and contact a physician. If swallowed, do not induce vomiting. Call a physician or Poison Control Centre immediately. **KEEP OUT OF THE REACH OF CHILDREN.**

**Refer to the Safety Data Sheet (SDS) for further information.**

**Disclaimer:**

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.



# TECHNICAL DATA SHEET



**Trusted Performance. Proven Results.**

For over 50 years, Loctite Brand adhesives and sealants have taken on the toughest jobs. Used in race cars, airplanes, and even in the space-shuttle, Loctite provides solutions for the most demanding industrial, professional and consumer applications. Loctite gives you not the specialization, power and performance to not only get your job done, but to get it done right.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET

[www.loctiteproducts.com](http://www.loctiteproducts.com)



Loctite Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067

[www.henkelna.com](http://www.henkelna.com)

Revision Date: 07/10//2017 Supercedes: 08/04/2015 Ref. #: