



TITE FOAM™ Big Gaps Insulating Foam Sealant



DESCRIPTION

LEPAGE® TITE FOAM™ Big Gaps is a new generation of polyurethane-based insulating foam sealant that expands to fill, seal, and effectively insulate gaps and cracks up to 7.62cm (3 inches) in size, inside and out! LEPAGE TITE FOAM Big Gaps is a bright white colour and offers premium durability with its high density, flexibility, strong adhesion, and UV resistance*. Use to seal out air, moisture, and pests in basements or crawlspaces, attic hatches and plumbing, HVAC, or electrical penetrations. Quick and convenient to use and apply, TITE FOAM Big Gaps offers an easy insulating spray foam option. It is recommended for use in both interior and exterior environments and is sandable and paintable.

Available As:

Item #	Package	Size	Colour
2899993	Metal Aerosol Canister	340 g (12 fl. oz.)	White

FEATURES & BENEFITS

- High density foam – uniform cell structure seals out air, moisture, and pests
- Flexibility – high flexibility withstands building material movement
- UV resistance – high resistance to the elements without becoming brittle
- Strong adhesion – bonds to most building materials; wood, metal, stone, brick, PVC
- Bright white colour
- Fills gaps & cracks up to 7.62cm (3 inches)
- Sandable & paintable

RECOMMENDED FOR

LEPAGE TITE FOAM Big Gaps 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. TITE FOAM Big Gaps can also be used to seal out drafts and moisture as well as keeping out pests and bugs.

LIMITATIONS

- TITE FOAM Big Gaps is not a fire stopping material and SHOULD NOT be used in areas that require fireproof or fire stopping materials.
- Sealant may slip/ sag when filling vertical (overhead) joints over 3.8 cm (1.5")
- 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.
- 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 2.5 cm (1-inch thickness).
- Certain materials such as rubbers and plastics may have bonding difficulties. Test before use.
- Not recommended for use as a lifting foam for concrete slabs

COVERAGE

For a 340 g (12 fl. oz.) can, a 9.5 mm (3/8") bead size will deliver approximately 41.1 m (134 ft) of foam

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



TECHNICAL DATA SHEET

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TECHNICAL DATA

Typical Uncured Physical Properties	Typical Application Properties
<u>Colour:</u> White	<u>Application Temperature:</u> Ambient conditions should be between -5°C (23°F) and 35°C (95°F). Can temperature must be between 5°C (41°F) and 30°C (86°F)
<u>Appearance:</u> Polymer foam	
<u>Base:</u> Single component polyurethane	<u>Odor:</u> Slight ether
<u>Specific Gravity:</u> 1.107	
<u>VOC Content:</u> 24.5% by weight CARB 224 g/l SCAQMD rule 1168	
<u>Shelf Life:</u> 18 months from date of manufacture (unopened)	<u>Repositioning Time:</u> 15-20 minutes*
<u>Lot Code Explanation:</u> PROD: MM/DD/YYYY or BEST BY: MM/DD/YYYY (located on bottom of cannister) MM = month of manufacture DD = day of manufacture YYYY = year of manufacture Example: PROD: 10/31/2018 = October 31, 2018, is the manufacture date Example: BEST BY: 10/31/2018 = Product performs best when used by October 31, 2018	<u>Tack-Free Time:</u> 6-8 minutes* at 23°C (73°F) and 50% relative humidity
	<u>Cut Time:</u> 50-70 minutes*
	<u>Cure Time:</u> Approximately 24 hours*
	<u>Clean Up:</u> Clean up uncured foam residue with acetone. Scrape away cured sealant using a sharp-edged tool. Follow solvent manufacturer's precautions for using solvents.

*Time is dependent upon temperature, humidity, and depth of sealant applied.

Typical Cured Performance Properties

<u>Colour:</u> White	<u>Service Temperature:</u> -40°C (-40°F) to 80°C (176°F)
<u>Cured form:</u> Flexible solid	<u>Paintable:</u> Yes
<u>Water Resistance:</u> Yes	<u>Sandable:</u> Yes
<u>Dimensional Stability:</u> < ±5% (TM 1004-2012)	<u>Shear Strength:</u> 85 kPa (TM 2012-2011)
<u>Movement Capability:</u> > 25% (TM 1013-2013)	

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 TITE FOAM Big Gaps. Protect surrounding work area from accidental foam overspray. Cured foam is difficult to remove from skin, clothing, and other substrates. May discolor skin. When transporting cans by passenger car, leave the container wrapped in a cloth in the trunk, never in the passenger compartment. Maximum temperature should never exceed 49°C (120°F).

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 (i.e., brickwork, concrete), moisturize surfaces with water spray before application.



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DIRECTIONS

General Preparation:

The temperature of the working area should be between -5°C (23°F) and 35°C (95°F). The temperature of the product should be between 5°C (41°F) and 30°C (86°F). 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). Attach straw trigger to can by pushing down until it clicks into place, pull the safety tab to activate trigger, hold can upside down and squeeze trigger to dispense foam. Use straw plug as needed to block foam from exiting the straw. See diagram below.



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 1 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. to avoid discoloration.

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 2.5 cm/1-inch thickness). At very dry conditions, the foam may be brittle after hardening. This brittleness is a temporary effect and disappears after a while or by warming up.

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 must be stored vertically, not horizontally on its side.

Note: When storing foam dispensing applicators with foam cans attached, be sure to store the tool with the can valve pointing downwards. Storing the can upright may cause propellant to leak and the foam applicator and become inoperative.

Store in a cool, dry place. For maximum performance and shelf life, store between 5°C (41°F) and 25°C (77°F). The product can be stored for a maximum of 1 week at -20°C (-4°F). Do not store below -20°C (-4°F); below this temperature product valve may spontaneously open, resulting in leakage.

Containers are under pressure. Do not expose to open flame or temperatures above 49°C (120°F). 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.

Recommended method of disposal for unused product: Vent off excess pressure and dispose of in appropriate waste receptacle. Dispose of according to provincial and local governmental regulations.



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LABEL PRECAUTIONS

EXTREME DANGER. VERY FLAMMABLE. POISON. 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; CONTAINER MAY EXPLODE IF HEATED. Do not smoke. Do not puncture. Do not burn. Do not get in eyes or on skin or clothing. Do not breathe fumes. Do not swallow. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Store away from heat. Do not use if you have chronic lung or breathing problems or if you have ever had a reaction to isocyanates. Wear appropriate respiratory protection for prolonged use. If you have breathing problems during use, leave the area for fresh air. If problems develop or linger, call a physician. **KEEP OUT OF REACH OF CHILDREN.**

FIRST AID TREATMENT: Contains polyurethane prepolymer, methylenediphenyldiisocyanate, dimethylether and hydrocarbon propellant mixture. If swallowed, call Poison Control Center or doctor immediately. Do not induce vomiting. If breathed in, immediately remove the affected person to fresh air. If in eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention. If on skin, immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.

Refer to 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. Henkel recommends purchasers/users should test the products to determine acceptable quality and suitability for the intended use. All adhesive/sealant applications should be tested under simulated or actual end use conditions to ensure the adhesive/sealant meets or exceeds all required project specifications. Since assembly conditions may be critical to adhesive/sealant performance, it is also recommended that testing be performed on specimens assembled under simulated or actual production conditions. 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.

LIMITED WARRANTY

This product is warranted by Henkel Corporation to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty – express or implied – including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. For warranty assistance, contact Henkel at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET.



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