**TITEFOAM™ Big Gaps Insulating Foam Sealant**

**DESCRIPTION**

LOCTITE® TITEFOAM™ Big Gaps 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 than 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 TITEFOAM Big Gaps Insulating Foam Sealant has excellent adhesion on most building materials like wood, concrete, stone, metal, and more. Product does not contain CFC-propellants.

**Available As:**

<table>
<thead>
<tr>
<th>Item #</th>
<th>Package</th>
<th>Size</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2378565</td>
<td>Metal Canister</td>
<td>340 g (12 fl.oz.)</td>
<td>White</td>
</tr>
</tbody>
</table>

**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 TITEFOAM 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. Can also be used to sealing out drafts and moisture as well as keeping out pests and bugs.

**LIMITATIONS**

- TITEFOAM Big Gaps 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 3 inches thickness)
- Certain materials such as rubbers and plastics may have bonding difficulties. Test before use.
- Flexible sheet goods

**COVERAGE**

A 340g (12fl. oz.) can will extrude a 3/8" bead approximately 134.0 ft. (41.1 m).

*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.

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**LOCTITE® TITEFOAM™ Big Gaps Insulating Foam Sealant**

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Typical Uncured Physical Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Appearance</td>
<td>Polymer foam</td>
</tr>
<tr>
<td>Base</td>
<td>Single component polyurethane</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight ether</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.107</td>
</tr>
<tr>
<td>VOC Content</td>
<td>19.28 % by weight (CARB)</td>
</tr>
<tr>
<td>VOC Content</td>
<td>208.6 g/l (SCAQMD rule 1168)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&lt;68°F (&lt;20°C)</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>15 months from date of manufacture (unopened)</td>
</tr>
</tbody>
</table>

Lot Code Explanation:

- **MM/DD/YYYY** (bottom of cannister)
- **MM/DD/YY** (on box)
- **MM** = month of Manufacture
- **DD** = month of Manufacture
- **YYYY** = Year of manufacture

Example: 10/31/2018 = October 31, 2018

Typical Application Performance Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Temperature</td>
<td>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). For use at colder conditions, product should be stored at room temperature for at least 12 hours.</td>
</tr>
<tr>
<td>Tack-Free Time</td>
<td>6-8 minutes*</td>
</tr>
<tr>
<td></td>
<td>At 23°F and 50% relative humidity</td>
</tr>
<tr>
<td>Cut Time</td>
<td>50-70 minutes*</td>
</tr>
<tr>
<td>Repositioning Time</td>
<td>15-20 minutes*</td>
</tr>
<tr>
<td>Cure Time*</td>
<td>Approx. 24 hours*</td>
</tr>
<tr>
<td>Clean Up</td>
<td>Clean up uncured foam residue with acetone. Scrape away cured sealant using a sharp-edged tool. Follow solvent manufacturer's precautions for using solvents.</td>
</tr>
</tbody>
</table>

Typical Cured Performance Properties:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Sandable</td>
<td>Yes</td>
</tr>
<tr>
<td>Paintable</td>
<td>Yes</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-40°F(-40°C) to 194°F(90°C) Long-term exposure -40°F(-40°C) to 248°F(120°C) Short-term exposure</td>
</tr>
<tr>
<td>Maximum Joint Width</td>
<td>3 inches (7.62 cm) (TM 1006-2011@ 5°C)</td>
</tr>
<tr>
<td>Shear Strength</td>
<td>85 kPa (TM 2012-2011)</td>
</tr>
</tbody>
</table>

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 TITEFOAM Big Gaps after use. Cured foam is difficult to remove from skin, clothing and other substrates. May discolor skin. When transporting odd cans by passenger car leave the container wrapped in a cloth in the trunk, never in the passenger compartment.
**Technical Data Sheet**

**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.

**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). Screw the foaming straw to the valve.

**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 string (up to 3 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 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 to 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 an appropriate waste receptacle. Dispose of according to provincial and federal governmental regulations.

**Label Precautions**

**DANGER!** EXTREMELY 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, methylenediphenylisocyanate, 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 ignition 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 sources of heat 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 exists. 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 a 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 Center immediately. KEEP OUT OF REACH OF CHILDREN.

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