



**TECHNICAL DATA SHEET  
GIT 1.0 LB SPRAY FOAM**

**COMPANY ADDRESS:**  
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Garrettsville, OH 44231

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**PRODUCT DESCRIPTION:**

GIT's 1.0lb is a two-component, low density 1:1 by volume spray. GIT's 1.0lb foam is a reaction product of polymeric isocyanate (A-component) and resin (B-component) which contains environmentally friendly polyols and fire retardant materials. Utilization of water as a blowing agent yields superior GREEN insulating properties over conventional materials: it is designed as a high yield, low waste and efficient alternative to 2.0lb while providing a better R-Value than 0.5lb.

**PHYSICAL PROPERTIES:**

PROPERTY	VALUE	TEST METHOD
YIELD	7,500(+)(-)	BOARD FEET
R-VALUE	4.7 @ 1" (May vary)	ASTM C-518
DENSITY	(+)(-) 1.0lbs/ft <sup>3</sup>	ASTM D-1622
OPEN/CLOSED CELL VALUE	<50%	ASTM D-6226
WATER VAPOR TRANSMISSION	2.3 perms @ 1"	ASTM E-96
SOUND TRANSMISSION	Class 32	ASTM E-90
COMPRESSIVE STRENGTH	18 PSI	ASTM D-1621
DIMENSIONAL STABILITY	<2%	ASTM D-2126

\*Data is obtained from 3rd party laboratories (Individual results may vary)\*

**SPF GENERAL EQUIPMENT PARAMETERS:**

Pressure:	1000-1400 PSI
Reactor Temp:	110°-130°
Hose Temp:	110°-130°

## **PRODUCT APPLICATION INSTRUCTION:**

<b>Agitation</b>	Foam must be mixed 2-3 minutes prior to application.
<b>Initial Drum Temperatures</b>	Starting chemical temperatures should be between 50°F to 80°F on both A-side and B-side material. Make sure to have the B-side warmer than A-side by 2 or 3 degrees. (Equipment varies)
<b>Substrate Conditions</b>	All substrates should be clean, dry, and have little-to no condensation or moisture present. Temperatures below 45°F will require heating of the structure.
<b>Technique</b>	Generally; spray vertically or horizontally 18" from the surface. Picture framing or priming layers may be needed depending on the jobsite.
<b>Substrate Types</b>	When applying SPF to unique surfaces, you may need a 1 inch priming layer. Substrates such as metal or concrete will need slightly warmer parameters to account for heat loss due to cooler surface temperatures.
<b>Temperatures/Pressures</b>	Please refer to "SPF GENERAL EQUIPMENT PARAMETERS".

## **MATERIAL APPLICATION THICKNESS:**

Optimal application thickness is 1" to 4" lifts. Spraying thicker than recommendation may cause excessive exotherm or scorching. GIT's 1.0lb foam is designed for interior use and not tested for exteriors.

## **VAPOR RETARDER:**

To maintain a Class 3 vapor retarder GIT's 1.0lb SPF should be installed at roughly four inches thick.

## **FIRE RESULTS:**

- E-84 Smoke and Flame Test (Class 1) - PASS

## **STORAGE AND DISPOSAL:**

1. **Storage:** GIT's 1.0lb components must be stored between 50°-80° F, temperatures below thresholds will increase viscosity and some application equipment may not reach adequate spray temperature set points. Supply pumps and hoses must be sized to provide adequate supply when materials are cold and at a higher viscosity. Both components should be stored in their original containers with bungholes secured.
2. **Disposal:** Empty Drums should be drip dried, and may be sent to a qualified drum reconditioner, drum recycling facility, or a landfill permitted to accept used drums. They should not be torched to avoid generation of irritating toxic gasses and vapors from residual chemicals or cured products present in the drum.

## **SHELF LIFE:**

GIT's 1.0lb has a shelf life of approximately one year from the date of manufacture when properly stored.

## **HEALTH AND SAFETY:**

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling *Green Insulation Technologies* products. Prior to use of these products you **MUST** read and become familiar with the available information on their hazards, proper handling, and safety. This cannot be overemphasized.

## **OTHER INFORMATION:**

**DISCLAIMER:** To the best of our knowledge, the information contained herein is true and accurate. However, not all recommendations or suggestions are made without guarantee and neither the supplier or its subsidiaries assume any liability whatsoever for the exact accuracy of information contained herein. *Green Insulation Technologies* products are intended for sale to residential and commercial customers only. Published technical data and instructions are subject to change without notice; it should therefore not be construed as guaranteeing any specific property of the product. Final determination of suitability to any material is the sole responsibility of the user, GIT makes no warranty, express or implied regarding the results obtained from the use of this product. All materials may present unknown hazards and should be used with caution.

**REVISED DATE:** 2022-2023