



**IAPMO UES ER-947  
TDS GIT 0.5LB-XP**

**COMPANY ADDRESS:**

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**PRODUCT DESCRIPTION:**

GIT's 0.5LB-XP is a spray applied, polyurethane open-cell foam plastic and complies as a low density insulation in accordance with Section 3.1.1 and Table 1 of AC377. GIT 0.5LB-XP provides high performance thermal insulation, air barrier, and acoustic sound deadening. The insulation is a two-component spray foam plastic with a nominal in-place density of 0.5pcf (8.0kg/m<sup>3</sup>) and is mixed in the field by combining polymeric isocyanate (A-component) and a resin (B-component). GIT 0.5LB-XP contains ZERO OZONE depleting blowing agents with excellent adhesion to surfaces pertaining to applications of walls, ceilings and attics.

**PHYSICAL PROPERTIES:**

PROPERTY	VALUE	TEST METHOD
YIELD	16,000-20,000(+)(-)	BOARD FEET
R-VALUE	3.9 @ 1" (May vary)	ASTM C-518
DENSITY	(+)(-) 0.48-0.50lbs/ft <sup>3</sup>	ASTM D-1622
OPEN CELL VALUE	<=87%	ASTM D-6226
TENSILE STRENGTH	3.7 PSI	ASTM D 1623
DIMENSIONAL STABILITY	3.45	ASTM D-2126
OZONE DEPLETING AGENTS	ZERO	GREEN

\*(Individual results may vary)\*

**SPF GENERAL EQUIPMENT PARAMETERS:**

Pressure:	1000-1400 PSI
Preheater Temp:	120°-140°
Hose Temp:	120°-140°
Optimal Air Temp:	50°F
Ambient Air Temp:	>40°F

## **PRODUCT APPLICATION INSTRUCTION:**

<b>Agitation</b>	Not required. However, if mixed for approximately 20 minutes on medium - high speed, maximum yield will be achieved.
<b>Initial Drum Temperatures</b>	Starting chemical temperatures should be at 80°F for optimal performance on both A-side and B-side material. (Equipment will vary)
<b>Substrate Conditions</b>	All surfaces sprayed with foam should be clean, dry, and free of dew or frost. It is recommended that moisture content of the substrate be less than 13%. Temperatures below 45°F can cause thermal shock. Heating of substrate recommended as well as industry standard techniques.
<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 " <i>SPF GENERAL EQUIPMENT PARAMETERS</i> ".

## **MATERIAL APPLICATION THICKNESS:**

Optimal application thickness is 1" to a maximum of 8" lifts (do not exceed). Spraying thicker than recommendation may cause excessive exotherm or scorching.

## **THERMAL BARRIER:**

IRC + IBC Codes require spray foam to be separated from the inside of building structures by a 15 minute thermal barrier. Refer to your local building codes for tested and approved materials.

## **FIRE RESULTS:**

- ASTM E-84 Flame and Smoke Test (Class...1 <25 <450)
- CC ES AC 377, Appendix X (Attics & Crawl Spaces) - PASS

## **STORAGE AND DISPOSAL:**

1. **Storage:** GIT's 0.5LB-XP 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 and out of sunlight.

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 0.5.0LB-XP has a shelf life of approximately six months 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:** 2024-2025