



**IAPMO UES ER-948
TDS GIT 2.0LB-XP**

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PRODUCT DESCRIPTION:

GIT's 2.0LB-XP is a two-component, medium density 1:1 by volume spray in accordance with Section 3.1.1 and Table 1 of AC377. The insulation has a nominal in-place density of 2.0 pcf (32 kg/m³). GIT's 2.0LB-XP closed-cell spray foam is a reaction product in the field of polymeric isocyanate (A-component) and polymeric resin (B-component). GIT 2.0LB-XP is designed to make structures more energy efficient, quieter, healthier, and more comfortable by filling all building cavities, completely sealing all cracks, crevices, and voids where air loss and infiltration are most common.

PHYSICAL PROPERTIES:

PROPERTY	VALUE	TEST METHOD
YIELD	4,00-4,500	BOARD FEET
R-VALUE	7 @ 1" (May vary)	ASTM C-518
DENSITY	(+)(-) 1.95-2.1lbs/ft ³	ASTM D-1622
CLOSED CELL VALUE	>=96%	ASTM D-6226
WATER VAPOR TRANSMISSION	.99 perm-inches @ 1.5"	ASTM E-96
TENSILE STRENGTH	43.5 PSI	ASTM D 1623
COMPRESSIVE STRENGTH	21.8 PSI	ASTM D-1621
DIMENSIONAL STABILITY	<9.2%	ASTM D-2126
VOC TESTING	PASS	CAN/ULC-S774

(Individual results may vary)

SPF GENERAL EQUIPMENT PARAMETERS:

Pressure:	1000-1250 PSI
Reactor Temp:	110°-130°
Hose Temp:	110°-130°

PRODUCT APPLICATION INSTRUCTION:

Initial Drum Temperatures	Starting chemical temperatures should be between 60°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)
Substrate Conditions	All substrates should be clean, dry, and have little-to no condensation or moisture present. Temperatures below 40°F will require heating of the structure. <32°F will require a winter blend SPF and as an added precaution; flash coat. Material performs best above 50°F
Technique	Generally; spray vertically or horizontally 18" from the surface. Picture framing or priming layers may be needed depending on the jobsite.
Substrate Types	When applying SPF to unique surfaces, you may need a 1/2 inch priming layer. Substrates such as metal or concrete will need slightly warmer parameters to account for heat loss due to cooler surface temperatures.
Temperatures/Pressures	Please refer to "SPF GENERAL EQUIPMENT PARAMETERS".

MATERIAL APPLICATION THICKNESS:

Optimal application thickness is .5" to maximum 4" lifts (please allow ample time for material to cool). Spraying thicker than recommendation may cause excessive exotherm or scorching. GIT's 2.0LB-XP foam is designed for interior use and not tested for exteriors.

VAPOR BARRIER:

GIT 2.0LB-XP should be installed at 1.5" to maintain a Class 2 vapor retarding qualification.

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) - PASS @ 15/300
- CC ES AC 377, Appendix X (Attics & Crawl Spaces) - Compliant without ignition barrier

STORAGE AND DISPOSAL:

1. **Storage:** GIT's 2.0LB-XP components must be stored between 60°-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 2.0LB-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