

GREEN INSULATION TECHNOLOGIES. LLC .

3.0 Pound Foam

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Product Description

GIT's 3.0 is a two component system of polymeric isocyanate "A Component" and a water blown "B Component". GIT's 3.0 has been formulated as a nominal roof grade density of 3lb/ft³, closed cell foam. Different reactivity levels are available for spraying under various climatic conditions. These are designed as SS for summer. RS for spring and fall and WS for winter.

Equipment

GIT's 3.0 is designed for use with a 1:1 by volume proportioning unit equipped with heaters to maintain recommended material temperatures. The spray gun should be set up for 10-12 lbs per minute throughput. Proper equipment and gun selection is critical to insure optimal processing characteristics. Contact a Green Insulation Technician for assistance in selecting proportioning units and guns.

Processing Temperature and Humidity

GIT's 3.0 may be applied between ambient temperatures of 50° F and 110° F and relative humidity less than 80%. DO NOT apply 3.0 if ambient temperature is less than 5° F above dew point.

Machine Pressure and Temperature Recommendations

	<u>Preheater</u>	<u>Pressure</u>
A side	120 - 130° F	1,000-1,200 PSI
B side	120 - 130° F	1,000-1,200 PSI
Hose Temp	120 - 130° F	

Application

Optimal application thickness is ½ to 2.0 inches. Lifts beyond 3" could result in excessive exotherm and possible scorching. GIT's 3.0 is designed for interior use and not approved for exterior applications.

Material Storage

GIT's 3.0 components MUST be stored between 50 -80 ° F and out of direct sunlight. The A component is moisture sensitive. If material remains in a drum be sure to seal bungs tightly to minimize moisture exposure.

Disposal of Empty Drums

Empty drums should be dripped dry, and may be sent to a qualified drum re-conditioner, drum recycling facility, or a land fill permitted to accept used drums. Drums should not be torched cut to avoid generation of irritating toxic gases and vapors from residual chemicals or cured product present in the drum.

Safety Precautions

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling 3.0 components. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This can not be over emphasized. Information is available in several forms, e.g, material safety data sheets and product labels.

GIT's 3.0 must be covered by an improved 15 minute thermal barrier or ignition barrier, depending on application and local building code requirements. Always consult your local building official or Green Insulation's Representative for approved applications and restrictions.

System Specifications

<u>Viscosity</u>	<u>cps @ 70° F</u>
A- Component	175-250
B- Component	150-250

<u>Mix Ratio</u>	<u>Bv Volume</u>
A- Component	100
B- Component	100

Recommended Ambient Application Temperatures F

SS	RS	WS
85+	60-80	50-75

Typical Physical Properties

Yield 3400-3800 board feet (Individual results may vary)

Density	ASTM D-1622	2.7 lb/ft ³	
Yield	Board Feet	3400-3800	
Compressive strength	ASTM D-1621	40i5 PSI	
Tensile Strength	ASTM-1623	80 PSI	
Percent Closed Cells	ASTM D-2856	≤ 90%	
Insulation Values ASTM	ASTM C- 518	k factor	R value/Inch
		BTU-in/ft ² - °F-hr	ft ² - °F-hr/BTU-in
	Aged 180 days	0.156	6.62 Inch
Dimensional Stability	ASTM D-2126	% Volume Change	
	158° F 100% Relative Humidity, 7 days	<1	
	200° F 7 days	<1	
	-20° F, 7days	<1	
Fire Listing			
Roof Deck	Non Combustible	UL-790/ASTM E 108	Class A
	Combustible		Class B
Spread of Flame		UL-723/ASTM E84	40

These flame spread ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.

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