

## B-5022 HFO

B-5022HFO / A-2732 is a medium density spray-applied rigid polyurethane foam system insulation formulated without ozone depletion substances (Zero ODS). B-5022HFO has a global warming potential (GWP) of 1, which is 99.9% lower than current HFCs used in this industry.

This system is formulated with renewable and recycled products.

### LED BY COMMITMENT



#### PREMIUM PRODUCT

Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable product with industry leading thermal resistance



#### SUSTAINABILITY

With its outstanding thermal performance and a GWP of 1, HFO blowing agent is a balanced solution to today's environmental and performance challenges in insulated foam applications.



#### LOCALLY REPRESENTED

Genyk is a Canadian manufacturer. Each region has local representation to offer the most knowledgeable service.

#### COMPONENT PROPERTIES

PROPERTIES	ISOCYANATE A-2732	RESIN B-5023 HFO
Appearance	Brown liquid	Amber liquid
Viscosity @ 25°C	150 – 250 cps	200 - 400 cps
Spécific Gravity @ 25°C	1.24	1.10 – 1.12
Shelf Life	12 months	6 months
Mixing Ratio (volume)	100	100

#### TYPICAL PHYSICAL PROPERTIES

Physical Properties	ASTM Method	Value
Density (core)	ASTM D1622	32.0 kg/m3 (2,00 lb/ft3)
Compressive Strength	ASTM D1621	228 kPa (33.1 psi)
Dimensional Stability	ASTM D2126 (28 days, -20°C, Ambient R.H.)	-1.0 %
	ASTM D2126 (28 days, +80°C, Ambient R.H.)	+2.0 %
	ASTM D2126 (28 days +700C,97% +-3%R.H.)	+13.0 %
Tensile Strength	ASTM D1623	205 kpa (29.7 psi)
Open Cell Content	ASTM D2856	2.8 %
Water Absorption (volume)	ASTM D2842	1.6 %
Water Vapor Permeance	ASTM E96	34 ng(Pa.s.m2)
Surface Burning (Flame Spread Index)	CAN/ULC S102 (S127)	285
Long Term Thermal Resistance.	CAN/ULC S770	1,96 k.m2/W

### LONG TERM THERMAL RESISTANCE (CAN/ULC S770-09)

THICKNESS mm (in)	R-VALUE (ft <sup>2</sup> .hr.°F)/Btu	RSI (m <sup>2</sup> .K)/W
50.8 (2.00)	11.4	2.0
63.5 (2.50)	14.3	2.5
76.2 (3.00)	17.4	3.1
88.9 (3.50)	20.6	3.6
102.0 (4.00)	24.1	4.2
127.0 (5.00)	30.7	5.8
152.0 (6.00)	36.5	6.4
177.8 (7.00)	42.7	7.5
203.2 (8.00)	48.9	8.6

### REACTIVITY PROFILE

Cream Time (seconds)	0 - 1
Gel Time (seconds)	2 - 3
Tack Free Time (seconds)	4 - 5
Free Rise Density (lb/ft <sup>3</sup> )	2.00

Laboratory results based on machine mixing (Graco E-30) at 108°F/800psi.

### PACKAGING

Genyk A-2732 is supplied in 227 kg drums and 1,250 kg totes. Genyk B-5022 is supplied in 225 kg drums and 1,125kg totes.



During the application, it is important not to exceed 51 mm (2 in) per pass, in order not to alter the quality of the foam.



Before handling these chemicals, please consult the Safety Data Sheet for the two components, that are available from Genyk.

### ADDITIONAL INFORMATION

- This product is combustible and must be installed in accordance with applicable building codes.
- The service temperature is between -60°C and 80°C (-76°F and +176°F).
- Internal temperature of installed pass must be 25°C before installing subsequent passes. Maximum thickness during 24-hour period is 203mm (8 inches).
- Temperature, humidity, equipment, substrate can vary installation parameters.
- Recommended storage temperature of materials is from 10 to 25°C (50 to 77°F).

### TEMPERATURE AND PARAMETERS

B-5022HFO	Ambient Temperatures	Spray Temperatures	Minimum Spray Pressure
Summer	5°C to +35°C (41 to 95°F)	38 – 49°C (100 -120°F)	5516 kPa (800 psi)
Winter	-10°C to +15°C (14 to 59°F)	38 – 52°C (100-125°F)	5516 kPa (800 psi)

Processing conditions can vary depending on temperature, humidity, substrate, equipment, and other factors.

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