

B-5023 HFO

B-5023HFO / A-2732 is a two-component spray applied insulation polyurethane foam system, medium density specially formulated with hydrofluoro-olefin (HFO), the latest advancement in foam blowing agent technology.

The HFO blowing agent used in B5023-HFO resin has a global warming potential (GWP) of 1, 99.9% lower than HFC blowing agents. HFO blowing agent is non-ozone-depleting and non-flammable.

B-5023HFO / A-2732 is a High Service Temperature polyurethane spray foam system designed to withstand service temperature as high as 300°F (149°C). 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	300 - 500 cps
Spécific Gravity @ 25°C	1.24	1.17
Shelf Life	12 months	6 months
Mixing Ratio (volume)	100	100

REACTIVITY PROFILE

Cream Time (seconds)	0 - 1
Gel Time (seconds)	3 – 4
Tack Free Time (seconds)	5 - 6
Free Rise Density (lb/ft3)	2.1 – 2.4

Laboratory results based on machine mixing (Graco E-30) at 110°F/1000psi. Properties shown below are to be used as a guide only and not intended for specification properties.

TEMPERATURE AND PARAMETERS

Installation Temperature (Ambient and Substrate)	Component Temperature (A&B)	Minimum Spraying Pressure
0°C to 35°C (32°F to 95°F)	35°C – 45°C (95°F-113°F)	5516 kPa (800 psi)

TYPICAL PHYSICAL PROPERTIES

Physical Properties	ASTM Method	Value
Density (in place) *	D 1622	2.30 lb/pi3
Compressive Strength	D 1621	32.2 psi
Dimensional Stability	D2126 (7days, -25°C, ambient R.H)	0.07 %
	D2126 (7days, +80°C, ambient R.H)	-0.93 %
	D2126 (28 days +700C,97% +-3% R.H)	2.73 %
Water Absorption (volume)	ASTM D2842	<1.0%
Initial Thermal Resistance	ASTM C518 (50mm)	7.23 ft2.h.0F/btu.in (2.50 m2.0C/W)

PACKAGING

Genyk A-2732 is supplied in 227 kg drums and 1,250 kg totes. Genyk B-5023 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.

STORAGE CONDITIONS AND HANDLING

All materials should be stored in their original containers and away from heat and moisture, especially after the seals have been broken and the containers have been opened. Shelf life is 6 months for the resin and 12 months for the isocyanate when stored indoors at a temperature between 60°F (15°C) and 77°F (25°C) for the resin and 60°F (15°C) and 100°F (38°C) for the isocyanate. Storage below 60°F (15°C) may result in compound stratification of the B and/or crystalline formation in the A component. Temperatures above the maximum storage temperatures may decrease the shelf life. Containers should be opened carefully to allow any pressure build-up to be vented safely. Extensive venting of the B component may result in loss of blowing agent, higher-density foam and reduced yield. Temperatures below 60°F (15°C) will increased the viscosity of the components making them difficult to pump. Both components are adversely affected by water and humidity.

ADDITIONAL INFORMATION

- The service temperature is between -60°C and 149°C (-76°F and +300°F).
- Temperature, humidity, equipment, substrate can vary installation parameters.

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