

# B-5023

B-5023 is a two-component spray applied insulation polyurethane foam system, medium density specially formulated for environments where spray foam is subject to high service temperatures. This product is ideal for such applications, because it is designed to withstand service temperature as high as 300°F (149°C).

B-5023 is formulated with hydrofluoro-olefin (HFO) blowing agent that is non-ozone-depleting. This foam system is also formulated with renewable and recycled products.

PHYSICAL PROPERTIES			
PROPERTIES	ASTM METHOD	VALUE	
Density (in place) *	D1622	2.30 lb/pi <sup>3</sup>	36.85 kg/m <sup>3</sup>
Compressive Strength	D1621	32.2 psi	222.08 kPa
Initial Thermal Resistance	C518 (50mm)	R14.46 (7.23/in)	2.55 RSI
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	D2842	<1.0%	

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 hand-mixing at 20°C. Properties shown below are to be used as a guide only and not intended for specification properties.

INSTALLATION GUIDELINES		
Ambient Temperature	32°F - 95°F	0°C - 35°C
Spray Temperature	95°F - 113°F	35°C - 45°C
Minimum Spray Pressure	800 psi	5516 kPa

COMPONENT PROPERTIES		
PROPERTIES	ISOCYANATE A-2732	RESIN B-5023
Appearance	Brown liquid	Amber liquid
Viscosity @ 25°C	150 - 250 cps	300 - 500 cps
Spécific Gravity @ 25°C	1.24	1.16 - 1.18
Mixing Ratio (volume)	100	100



Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable and superior product.



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

PACKAGING AND STORAGE			
Additional information	ISOCYANATE A-2732		RESIN B-5023
Packaging	Drum: 227kg / Tote: 1,250kg		Drum: 225kg / Totes: 1,125kg
Storage temperature	59°F - 95°F	15°C – 35°C	59°F - 77°F      15°C – 25°C
Shelf Life	12 months		12 months
<p><b>General information:</b> 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. Storage below 59°F (15°C) may result in compound stratification of the B and/or crystalline formation in the A component and will increase the viscosity of the components making them difficult to pump. Temperatures above the maximum storage temperatures may decrease the shelf life. Extensive venting of the B component may result in loss of blowing agent, higher-density foam and reduced yield. Both components are adversely affected by water and humidity.</p>			

**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.
- When spraying this foam system, the sprayer should not exceed 50 mm (2 inches) per pass. Spraying thicker could result in a sudden combustion of the foam which can happen hours after the installation of the foam. As with any plastic insulation, this foam is combustible

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