

TECHNICAL DATA SHEET**GENYK B-1005****ALL WATER BLOWN SPRAY FOAM
OPEN CELL**

1701, 3rd Avenue
Grand-Mere (Quebec), G9T 2W6, CANADA
Tel: 819 729-0395
Info@genyk.com

DESCRIPTION

GENYK B-1005/A-2732 is a two component, open cell, semi-rigid pour-in-place foam system. This product is a fully water blown foam system with a nominal 8kg/m^3 (0.5 lb/ft^3) density with very good adhesion to common substrates. It is use as a thermal insulation.

PRODUCT SPECIFICATIONS

PROPERTY	ISOCYANATE A-2732	RESIN B-1005
Appearance	Brown liquid	Light Amber liquid
Viscosity at 25°C	150-250 cps	250 - 500 cps
Specific gravity at 25°C	1.22 – 1.25	1.07 – 1.11
Shelf life	12 months	6 months

REACTIVITY PROFILE

Properties shown below are to be used as a guide only and not intended for specification properties.

Mix ratio by weight (Isocyanate/Resin)	100/100
Cream Time (seconds)	4 - 7
Gel Time (seconds)	13 - 19
Tack Free Time (seconds)	20 - 25
Free Rise Density (lb/ft^3)	0.50

Note: Machine mix at 130°F/1200 psi.

Genyk Inc believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Genyk Inc, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficiency and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

TYPICAL PHYSICAL PROPERTIES

PHYSICAL PROPERTY	ASTM METHOD	VALUE
Core Density	D1622	0.5 – 0.65 lb/ft ³
Compressive Strength	D1621	0.9 psi
Dimensional Stability	D2126 (28 days, -29°C, ambient RH)	-0.35 %
	D2126 (28 days, +80°C, ambient RH)	-5.1 %
	D2126 (28 days, +70°C, 97% RH)	-7.0 %
Thermal Resistance 1inch	ASTM C518	3.87 ft ² h°F/BTU

RECOMMENDED PROCESSING CONDITIONS

Isocyanate/Component A Setpoint Temperature	130°F
Resin/Component B Setpoint Temperature	130°F
Heated Hose Setpoint Temperature	130°F
Processing Setpoint Pressure	1000 – 1200 psi
Moisture Content of Substrate*	< 19%

*Substrate must be free of moisture, grease, oil and other materials that would affect adversely adhesion of the foam.

Note: Foam application temperatures and pressures can vary depending on temperature, humidity, nature of substrate and equipment used. This is the responsibility of the applicator to observe the characteristics of the sprayed foam and adjust the processing parameters to maintain proper cell structure, adhesion and foam quality.

PACKAGING

Genyk A-2732 is supplied in 227 kg drums. Genyk B-1005 is supplied in 225 kg drums.

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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. Genyk A-2732 is adversely affected by water and humidity.

HEALTH AND PERSONAL PROTECTION

Before handling these chemicals, please consult the Material Safety Data Sheets for the two components. Material Safety Data sheets on product components are available from Genyk Inc.

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