

TECHNICAL DATA SHEET**GENYK B-1080****RIGID POLYURETHANE FOAM
SYSTEM**

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DESCRIPTION

GENYK B-1080 / A-2732 is a High Density two component rigid polyurethane foam system specially formulated to increase the bearing capacity of the ground beneath a foundation. This system is used for lifting concrete slabs, filling voids, stabilizing and densifying soil.

GENYK B-1080 / A-2732 is setting up quickly after the application (will usually reach 80-90% full strength after 15 minutes), can be injected in wet environments and will bond with soil and concrete.

GENYK B-1080 / A-2732 must be processed with the required equipment for each application it is used for.

PRODUCT SPECIFICATIONS

PROPERTY	ISOCYANATE A-2732	RESIN B-1080
Appearance	Brown liquid	Clear liquid
Viscosity at 25°C	150-250 cps	400 – 600 cps
Specific gravity at 25°C	1.22 – 1.25	1.06 – 1.08
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 volume (Isocyanate/Resin)	100/100
Cream Time (seconds)	17 - 22
Gel Time (seconds)	30 - 38
Tack Free Time (seconds)	36 - 46
Free Rise Density (lb/ft ³)	7,50 – 8,50

Note: Laboratory results based on hand-mixing at 20°C

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TYPICAL PHYSICAL PROPERTIES

PHYSICAL PROPERTY	ASTM METHOD	VALUE
Free Rise Density	D1622	8.0 lb/ft ³
Compressive Strength	D1621	180-220 psi*

Confined and overpack foam will increase in-place density and compressive strength.

PACKAGING

Genyk A-2732 is supplied in 227 kg drums and 1,250 kg totes. Genyk B-1022 is supplied in 225 kg drums and 1,125kg totes.

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 increase the viscosity of the components making them difficult to pump. Both components are 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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