

KIRKSIDE PRODUCTS

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TECHNICAL DATA KIRKSIDE GP6

GENERAL PURPOSE POLYURETHANE FOAM

Kirkside GP6 is a **high-density rigid polyurethane foam product for pour in place applications**. The formulation contains fire-retardant and has a nominal free-rise density of 96 kg/m^3 .

Kirkside GP6 is formulated for use where excellent flow properties are required in void filling and to improve strengths of structural components. The product can be hand-mixed or processed through low-pressure foam-dispensing equipment, we recommend and sell the GUSMER and CANNON range.

COMPONENT PROPERTIES

	Isocyanate	Polyol
Appearance	Brown liquid	Opaque liquid
Brookfield Viscosity (cps)	200	2500
Specific Gravity	1.23	1.06

REACTION PROFILE

Laboratory results based on hand-mix @ 20°C

Mix ratio by weight (Polyol: Iso)

100:100

Mix time (seconds)	20
Cream time (seconds)	60
Gel time (seconds)	240
Tack free time (seconds)	420
Free rise density (kg/m^3)	96

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STORAGE CONDITIONS AND HANDLING

The components are sensitive to humidity and should at all times be stored in sealed drums. The recommended storage temperatures are 18-25°C, which will give a normal shelf life of 3 months. At elevated temperatures problems may arise with pressure build-up within the drums. When opening these drums extreme care must be exercised in releasing the internal pressure. It is recommended that the drum contents should be mixed well before use.

HEALTH AND PERSONAL PROTECTION

Before handling these chemicals please consult the Material Safety Data Sheets for the two components. The polyol component contains tertiary amines. Contact with the skin or eyes must be avoided. Safety goggles and protective gloves should be worn whenever handling both of the chemicals. Splashes that come into contact with the skin must be wiped off immediately and the contaminated area washed with soap and water. Splashes in the eye must be flushed immediately with plenty of clean running water. If irritation occurs thereafter contact an eye specialist.

GENERAL INFORMATION

At temperatures less than 15°C the reaction rate of **Kirkside GP6** will be much slower resulting in an increase in density, and reduction in foam yield and quality. Under these conditions we recommend the use of drum heaters or temperature controlled conditions for drums storage.

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