

SYDNEY

25 – 27 Green St
East Botany, NSW 2019
Ph: +61 2 9666 3788
Fax: +61 2 9666 4805

MELBOURNE

29 Trade Place
Vermont, VIC 3133
Ph: 03 9872 4033
Fax: 03 9872 4099

BRISBANE

Unit 6/5 Deakin Street
Brendale, QLD 4500
Ph: 07 3205 8510
Fax: 07 3205 9616

SINGAPORE

H.K. Moey
9 Elias Terrace
Singapore 519772
Ph: +65 6582 8103
Fax: +65 6584 8100
Mobile: +65 9751 0026



TECHNICAL DATA

Erathane BS22

RIGID POLYURETHANE BLOCK FOAM

DESCRIPTION

Erathane BS22 is rigid polyurethane block foam product for board stock and pours in place applications. The formulation contains fire-retardants and has a free-rise density of 33 kg/m³.

Erathane BS22 can be manually drill mixed (@ a minimum speed 2000 rpm) or processed through low-pressure foam-dispensing equipment, we recommend and sell the GUSMER and CANNON range. It has been designed for use in a wide range of insulation, buoyancy, or cavity filling applications.

COMPONENT PROPERTIES

	Polyol	Isocyanate
Appearance	Clear, light amber liquid	Clear, brown liquid
Brookfield Viscosity (cps)	700	250
Specific Gravity	1.125	1.22

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)	45
Gel Time (seconds)	225
Tack-Free Time (seconds)	375
Density (kg/m ³)	33

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.



SYDNEY

25 – 27 Green St
East Botany, NSW 2019
Ph: +61 2 9666 3788
Fax: +61 2 9666 4805

MELBOURNE

29 Trade Place
Vermont, VIC 3133
Ph: 03 9872 4033
Fax: 03 9872 4099

BRISBANE

Unit 6/5 Deakin Street
Brendale, QLD 4500
Ph: 07 3205 8510
Fax: 07 3205 9616

SINGAPORE

H.K. Moey
9 Elias Terrace
Singapore 519772
Ph: +65 6582 8103
Fax: +65 6584 8100
Mobile: +65 9751 0026

TYPICAL PHYSICAL PROPERTIES

Foamed Density (tested @ 25⁰C)	35 kg/m ³	
Compressive Strength (@10%)	248 kPa	(Based on AS2498.3)
Closed Cell Content	>92 %	(Based on AS2498.7)
Thermal Conductivity (initial)	0.019 W/mK	
Water Absorption @ 23°C	1.32% by volume	(Based on AS2498.8)

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

1. The degree of insulation is determined by the thickness of the foam used. For cavity fill or moulding applications it is recommended to mould to a density of 36-38 kg/m³.
2. At temperatures less than 15°C the reaction rate of Erathane BS22 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.

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.