Era Polymers Pty. Ltd.
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TECHNICAL DATA
Ecofoam GP330
GENERAL PURPOSE POLYURETHANE FOAM

Ecofoam GP330 is a general-purpose rigid polyurethane foam product for pour in place applications. The formulation contains fire-retardants and has a free-rise density of 33 kg/m^3. This product contains no CFC's or HCFC's and is environmentally friendly foam that has no ozone depleting potential.

The product can be manually drill mixed (@ a minimum speed 2000 rpm) or processed through a polyurethane foam dispensing equipment. This product has been designed for use in a wide range of insulation, buoyancy, or cavity filling applications.

COMPONENT PROPERTIES

	Isocyanate	Polyol
Appearance	Brown liquid	Hazy straw coloured liquid
Brookfield Viscosity (cps)	250	660
Specific Gravity	1.22	1.15

REACTION PROFILE

Laboratory results based on hand-mixing @ 20°C

Mix ratio by weight (Polyol : Isocyanate) **100:100**

Mix Time (seconds)	20
Cream Time (seconds)	35
Gel Time (seconds)	145
Tack-Free Time (seconds)	230
Density (kg/m^3)	33

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TYPICAL PHYSICAL PROPERTIES

Moulded Foamed Density (kg/m^3)	40	
Compressive Strength @ 10% (kPa)	> 200	Based on AS2498.3)
Closed Cell Content (%)	> 90	(Based on AS2498.7)
Thermal Conductivity-initial (W/mK)	0.0256	

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^{o}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 38-40 kg/m^3.

2. At temperatures less than 15^{o}C the reaction rate of **GP330** 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.