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TECHNICAL DATA SHEET

AUSTHANE AUE 276 RIGID FOAM SYSTEM / PLASTIFOAM

AUSTHANE AUE 276 is a general purpose rigid foam system that contains a chlorinated flame retardant and is formulated to have low viscosity and good flow properties for void filling applications.

This foam system provides excellent thermal insulation properties and can be used in a wide range of applications. Issue Date: October 2008

Replaces: July 2008

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AUSTHANE AUE 276 System is formulated with ecomate® -a Zero ODP¹, Zero GWP², and VOC³ exempt Blowing Agent.

It is not a "water" blown system.

APPLICATIONS

AUE 276 foam system is recommended for

- Use as thermal insulation in cold and hot applications, for contact surface temperatures ranging from - 50°C to + 95°C.
- Use in 'buoyancy' applications in cavity / compartment / void filling for boats, wave-skis, canoes etc., in building panels, and moulded fibreglass systems.
- Moulding/void filling applications where low weight and increased stiffness / stability are required.
- Pour-in-place or injection use by either 'hand' mixing or machine processing.

PROCESSING CONDITIONS

- When hand-mixing the component temperatures should be between 21°C and 23°C and the recommended Mould / Substrate temperature is approximately 35°C.
- Ensure good mixing of the two components when hand-mixing, always add the POLYOL Component (Part A) to the ISOCYANATE Component (Part B).
- Refer to the Material Safety Data Sheets for information on storage and safe handling of both components.

MIX RATIO

100 PARTS BY WEIGHT AUE 276 Polyol	to	115 PARTS BY WEIGHT ECOISO-GP
100 PARTS BY VOLUME AUE 276 Polyol	to	100 PARTS BY VOLUME ECOISO-GP

LABORATORY REACTIVITY PROFILE (Foam Cup Test at 20°C on 100 gm of Polyol)

Mix Time	20	seconds
Cream Time	40 - 46	seconds
Gel Time	175 -185	seconds
Tack Free Time	220 - 240	seconds
Free Rise Density	34 - 36	kg/m ³

Liquid Properties of AUE276 System Components at 25°C

	AUE276 POLYOL	ECOISO-GP
Appearance	<i>Clear Amber liquid</i>	<i>Brown liquid</i>
Viscosity(Brookfield) 3/30 rpm	500± 50 cPs	200 ± 50 cPs
Specific Gravity [gm/ml]	1.07	1.24

HEALTH and SAFETY ISSUES

Before using this Polyurethane System please refer to the MATERIAL SAFETY DATA SHEETS for both the Components for information on the correct handling procedures for these products and the Safety Issues and Hazards associated with their use.

PRODUCT USE WARRANTY WARRANTY:

Australian Urethane Systems and Fiberglass (A/Asia) Sales Pty. Ltd. warrants that this product conforms to the product description contained herein. No other guarantee or warranty is expressed or implied, including warranties of merchantability or fitness for a particular purpose. Australian Urethane Systems and Fiberglass (A/Asia) Sales Pty. Ltd. shall not be liable for incidental, consequential, or other damages resulting from user negligence, breach of warranty, or any other theory arising out of the use or handling of this product. End users are at all times encouraged to first conduct their own tests on the product to verify its suitability for their intended use.