Product Data Sheet AUSFOAM 30 Spray Foam System

Issue Date: March, 2011

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AUSFOAM 30 is a rigid low density flame retarded polyurethane insulation foam system with a nominal applied density of 32 - 37 kg/m³.

 AUSFOAM 30 Polyol is formulated with ecomate@a Zero ODP*, Zero GWP*, and VOC* exempt [USA] environmentally friendly foam 'blowing agent'.

PROCESSING CONDITIONS

- Note that this system uses Austhane MDI as the isocyanate component.
- Polyol side must be mixed well prior to use.
- Refer to the Material Safety Data Sheets for information on storage and safe handling of both the Components.

MIX RATIO BY WEIGHT

TO 100 Parts by Volume 100 Parts by Volume Austhane MDI AUSFOAM 30 Polyol

LABORATORY REACTIVITY PROFILE

Laboratory QA Foam Cup Test at 20°C based on 100 gm of Polyol.

Mix Time	3	seconds
Cream Time	4 - 5	seconds
Gel Time	8 - 9	seconds
Tack Free Time	9 – 10	seconds
Free Rise CORE Density	28 - 29	kg/m ³

Liquid Properties of AUSFOAM 30 System Components @ 25°C

	AUSFOAM 30 POLYOL	AUSTHANE MDI
Appearance	Clear Amber Liquid	Dark Brown liquid
Viscosity [Brookfield 3/30]	360 ± 50 cPs	100 ± 50 cPs
Specific Gravity [gm/ml]	1.14	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

The data, information and suggestions covered in this data sheet, are given on the basis that the materials will be used correctly and professionally and at the sole risk of the user. No liability is accepted by AUSTRALIAN URETHANE SYSTEMS, for any loss, injury or damage arising from the use of the within information or materials described, no warranty, either expressed or implied, is given as to the exclusion from any patents or as to the fitness of the goods described for any particular purpose and each application should be fully evaluated to the satisfaction and acceptance of the user, in particular as to the combustibility or flammability or toxicity of material generated by combustion of the products herein described or materials produced from these products.

* ODP = Ozone Depletion Potential

2 GWP = Global Warming Potential

VOC = Volatile Organic Compound

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Certificate of Assessment

NK5874

No. 1506

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This is to certify that the specimen described below was tested by the CSIRO Division of Materials Science and Engineering in accordance with Australian/ New Zealand Standard 3837, Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter, 1998, at 50 kW/m², on behalf of:

> University of New South Wales Cnr Anzac Pde and High St. SYDNEY NSW AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNK 9865.

SAMPLE

IDENTIFICATION:

Ausfoam 30

DESCRIPTION OF

SAMPLE:

The sponsor described the tested specimen as spray-applied rigid

polyurethane foam system. The specimen contained flame retardant additives.

Nominal thickness:

20 mm

Nominal density:

30 kg/m3 to 35 kg/m3

Colour:

cream

SAMPLE

CLASSIFICATION:

Group Number:

Group 2

(In accordance with Specification A2.4 of the Building Code of Australia.)

Average specific extinction area:

1021.5 m²/kg

(Refer to Specification C1.10a section 3(c) of the Building Code of Australia.)

Testing Officer:

Heherson Alarde

Date of Test:

20 July 2010

Issued on the 15th day of February 2011 without alterations or additions.

Garry E Collins

Manager, Fire Testing and Assessments

(A)

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