AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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TEST REPORT

CLIENT : NRG BUILDING SYSTEMS
4/32-38 DOVER DRIVE
WEST BURLEIGH QLD 4220

TEST NUMBER : 7-566170-CQ
ISSUE DATE : 04/05/2009
PRINT DATE : 05/05/2009

SAMPLE DESCRIPTION Clients Ref: "NRG Greenboard"
Rigid foam
Colour: Green
Approx mass: 1350g/m2
End use: Insulation

THESE RESULTS MUST BE CONSIDERED IN CONJUNCTION
WITH THE COMMENTS ON THE FOLLOWING PAGE(S)

Material Specification provided by client:
Nominal composition: Expaned polystyrene foam
Nominal thickness: 75mm

AS/NZS 1530.3 - 1999 — Simultaneous determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

RESULTS: Face tested: Face

Date tested: 01/05/2009

	Mean		Standard Error
Ignition time	13.79	min	0.18
Flame propagation time	Nil	s	Nil
Heat release integral	29.1	kJ/m2	4.0
Smoke release, log d	-1.1063		0.0372
Optical density, d	0.0796	/m	

Number of specimens ignited: 6

Number of specimens tested: 6

REGULATORY INDICES:			
	Ignitability Index	6	Range 0-20
	Spread of Flame Index	0	Range 0-10
	Heat Evolved Index	1	Range 0-10
	Smoke Developed Index	4	Range 0-10

Comments:

These results only apply to the specimen mounted, as described in this report.

The results of this fire test may be used to directly assess fire hazard, but it should be recognized that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Each test specimen had an unattached backing of 4.5mm thick fibre reinforced cement board.

NATA

This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
-Chemical Testing of Textiles & Related Products : Accreditation No. 983
-Mechanical Testing of Textiles & Related Products : Accreditation No. 985
-Heat & Temperature Measurement : Accreditation No. 1356

AWTA LIMITED

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

APPROVED SIGNATORY

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Each test specimen was restrained on the exposed face by a layer of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions and the assembly clamped in four places.

The specimens melted and flowed away from the area of maximum heat during the test. Due to this phenomena, it should be recognised that this test result may not be a true indication of the product's fire hazard properties.

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