

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
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1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client : Australian Urethane and Styrene Pty Ltd
25 Garling Road
Kings Park NSW 2148

Test Number : 15-004939
Issue Date : 15/10/2015
Print Date : 16/10/2015

Sample Description Clients Ref : "Austhane PIR45"
Formed insulation board
End Use : Insulation
Nominal Composition : Polyisocyanurate foam
Nominal Mass per Unit Area/Density : 46-48kg/m3
Nominal Thickness : 50mm

AS/NZS 1530.3-1999

Methods for Fire Tests on Building Materials, Components and Structures Part 3: Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release

Face tested: Face
Date tested: 15/10/2015

	Standard Error	Mean
Ignition time	0.11	1.83 min
Flame propagation time	Nil	Nil sec
Heat release integral	5.2	36.5 kJ/m ²
Smoke release, log d	0.1340	-1.2110
Optical density, d		0.0795 / metre

Number of specimens ignited: 6
Number of specimens tested: 6

Regulatory Indices:
Ignitability Index 18 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

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: Accreditation No. 983

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APPROVED SIGNATORY

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

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These results only apply to the specimen mounted, as described in this report. The result of this fire test may be used to directly assess fire hazard, but it should be recognised 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.

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.

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