

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing  
A.B.N 43 006 014 106

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 : BASF New Zealand Limited  
Level 4  
4 Leonard Isitt Drive  
Auckland Airport Auckland 2022 New Zealand

Test Number : 14-000730  
Issue Date : 23/10/2014  
Print Date : 23/10/2014

Sample Description Clients Ref : "KF162"  
Rigid foam  
Colour : White  
End Use : Insulation  
Nominal Composition : Polystyrene  
Nominal Mass per Unit Area/Density : Approx: 17.7kg/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: 15/10/2014

	Standard Error	Mean
Ignition time	0.08	11.13 min
Flame propagation time	Nil	Nil sec
Heat release integral	3.1	32.9 kJ/m <sup>2</sup>
Smoke release, log d	0.0868	-1.2609
Optical density, d		0.0597 / metre

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

Regulatory Indices:  
Ignitability Index 9 Range 0-20  
Spread of Flame Index 0 Range 0-10  
Heat Evolved Index 1 Range 0-10  
Smoke Developed Index 3 Range 0-10

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Accredited for compliance with ISO/IEC 17025  
- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

Accreditation No. 983  
Accreditation No. 985  
Accreditation No. 1356



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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.

Specimens tended to flash before ignition. Ignition was based on the occurrence of a single flash of flame which lasted longer than 10 seconds.

The specimens melted away from the area of maximum heat and produced flaming droplets 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.

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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0204/11/06

APPROVED SIGNATORY

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