

# 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

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Phone (03) 9371 2400 Fax (03) 9371 2499

## TEST REPORT

**Client :** Plastek Group Pty Ltd  
14 Frost Road  
Campbelltown NSW 2560

**Test Number :** 19-006463  
**Issue Date :** 28/11/2019  
**Print Date :** 28/11/2019

**Sample Description** Clients Ref : "Plasthane - SF-30 HFR"  
Rigid foam  
Colour : Cream  
End Use : Fire Retarded spray foam. Insulation  
Nominal Composition : Polyester Polyol, Fire retardant, catalysts, cell stabilised, blowing agent  
Nominal Mass per Unit Area/Density : 45kg/m<sup>3</sup>  
Nominal Thickness : 40mm

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	Mean
Face tested:	Face	
Date tested:	28/11/2019	
	Standard Error	Mean
Ignition time	0.03	2.69 min
Flame propagation time	2.1	14.8 sec
Heat release integral	6.3	132.6 kJ/m <sup>2</sup>
Smoke release, log d	0.0304	-0.2284
Optical density, d		0.5981 / metre

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

#### Regulatory Indices:

Ignitability Index	17	Range 0-20
Spread of Flame Index	9	Range 0-10
Heat Evolved Index	5	Range 0-10
Smoke Developed Index	7	Range 0-10

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Page 1 of 2

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- Chemical Testing  
- Mechanical Testing  
- Performance & Approvals Testing

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

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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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Page 2 of 2

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MANAGING DIRECTOR