

# 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  
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## TEST REPORT

**Client :** Materialised Pty Ltd  
19 Heath Road  
Blakehurst NSW 2221

**Test Number :** 15-001481  
**Issue Date :** 24/04/2015  
**Print Date :** 24/04/2015  
**Order Number :** 29906

**Sample Description** Clients Ref : "Safe & Soft"  
Textured Vinyl/Scrim backing  
Colour : Blue  
End Use : Upholstery  
Nominal Composition : Vinyl  
Nominal Mass per Unit Area/Density : Approx: 637g/m2  
Nominal Thickness : Approx: 2mm

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: FaceFACE  
Date tested: 23/04/2015

	Standard Error	Mean
Ignition time	0.47	6.84 min
Flame propagation time	Nil	Nil sec
Heat release integral	6.6	42.6 kJ/m <sup>2</sup>
Smoke release, log d	0.0510	-0.5412
Optical density, d		0.2971 / metre

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

Regulatory Indices:

Ignitability Index	13	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	1	Range 0-10
Smoke Developed Index	6	Range 0-10

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- 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.

The reaction of thin unsupported flexible materials to flame impingement can be assessed in accordance with AS 1530.2. Where materials of thickness less than 2mm that are sufficiently flexible to be bent by hand around a mandrel of 2mm diameter or less are subjected to the test described herein, they should also be subjected to the test in AS 1530.2.

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.

To allow free movement of sample during testing all corners were folded away from the clamps.

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