

# 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

## TEST REPORT

**Client :** Warwick Fabrics Aust Pty Ltd  
6-10 Sackville Street  
Collingwood VIC 3066

**Test Number :** 20-005657  
**Issue Date :** 19/11/2020  
**Print Date :** 19/11/2020

**Sample Description** Clients Ref : "Plaza , Grand, Fairmont, Waldorf" Cara Hunt  
Knitted velour patterned fabric bonded to woven scrim  
Colour : Mustard  
End Use : Upholstery  
Nominal Composition : 100% Polyester  
Nominal Mass per Unit Area/Density : 430g/m2  
Nominal Thickness : 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: Face.  
Date tested: 17/11/2020

|                                        | Standard Error | Mean                   |
|----------------------------------------|----------------|------------------------|
| Ignition time                          | 0.45           | 11.51 min              |
| Flame propagation time                 | Nil            | Nil sec                |
| Heat release integral                  | 1.9            | 45.7 kJ/m <sup>2</sup> |
| Smoke release, log d                   | 0.0258         | -0.8455                |
| Optical density, d                     |                | 0.1443 / metre         |
| No of samples which ignited            |                | 7                      |
| For Samples which ignited              |                |                        |
| Smoke Release (Log D) - Mean           |                | -0.8455                |
| Smoke Release (Log D) - Standard Error |                | 0.0258                 |
| No of samples which did not ignite     |                | 2                      |
| For Samples which did not ignite       |                |                        |
| Smoke Release (Log D) - Mean           |                | -0.8837                |
| Smoke Release (Log D) - Standard Error |                | 0.0000                 |
| Number of specimens tested:            |                | 9                      |

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Page 1 of 2

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

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### Regulatory Indices:

|                       |              |
|-----------------------|--------------|
| Ignitability Index    | 8 Range 0-20 |
| Spread of Flame Index | 0 Range 0-10 |
| Heat Evolved Index    | 1 Range 0-10 |
| Smoke Developed Index | 5 Range 0-10 |

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 securely fixed to a backing board at four points each 100mm from the centre of the sample and the assembly clamped in four places.

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

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.

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Page 2 of 2

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