

# 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 :** Austex Commercial Fabrics  
PO Box 15  
Thomastown VIC 3074

**Test Number :** 23-004728  
**Issue Date :** 8/12/2023  
**Print Date :** 8/12/2023

**Sample Description** Clients Ref : "Quantum - Harper - Jinx"  
Vinyl textile with knitted backing  
Colour : Grey  
End Use : Upholstery  
Nominal Composition : 85% PVC, 15% Polyester  
Nominal Mass per Unit Area/Density : Approx: 570g/m2  
Nominal Thickness : Approx: 1mm



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Accreditation Numbers: 983, 985, and 1356

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Fiona McDonald

APPROVED SIGNATORY

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

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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:                | 08-12-2023     |         |                   |
|                             | Standard Error | Mean    |                   |
| Ignition time               | 0.49           | 6.87    | min               |
| Flame propagation time      | 4.4            | 25.5    | sec               |
| Heat release integral       | 6.8            | 118.5   | kJ/m <sup>2</sup> |
| Smoke release, log d        | 0.0284         | -0.6989 |                   |
| Optical density, d          |                | 0.2034  | / metre           |
| No of samples which ignited |                | 9       |                   |
| Number of specimens tested: |                | 9       |                   |
| Regulatory Indices:         |                |         |                   |
| Ignitability Index          |                | 13      | Range 0-20        |
| Spread of Flame Index       |                | 8       | Range 0-10        |
| Heat Evolved Index          |                | 4       | Range 0-10        |
| Smoke Developed Index       |                | 5       | Range 0-10        |

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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.

Inconsistent flame spread behaviour was observed. Only 3 of the 9 specimens registered flame spread. The Spread of Flame Index quoted above is based on these 3 specimens.

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.

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.

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

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