

**Sydney Branch:**  
 11/30 Barry Road  
 Chipping Norton, 2170  
 New South Wales, Australia  
 Phone: 02 9755 0716  
 Fax: 02 9755 0715  
 Email: sydney@davmarindustries.com.au



ABN: 56 122 012 202

ACN: 122 012 202

**Melbourne Branch:**  
 108 Derrimut Drive  
 Derrimut, 3030  
 Victoria, Australia  
 Phone: 03 9310 3892  
 Fax: 03 9338 0924  
 Email: sales@davmarindustries.com.au

**Brisbane Branch:**  
 1/2-4 Frank Heck Close, Beenleigh  
 Queensland, Australia  
 Phone: 07 5628 0000  
 Fax: 07 5628 0001  
 Email: qld@davmarindustries.com.au

## PRODUCT DATA SHEET

### CHAIN & SHADE (Scaffold Mesh)

#### Solashade Scaffold Mesh—Part 1

Description	Roll Size Roll Weight	Fabric Weight	Bursting Pres- sure AS 2001.2.4- 1990 Method B	Tear Resis- tance AS 2001.2.10 -1986	Bursting Force Ball Burst Method AS 2001.2.19 -1988	Maximum Force & Elong- ation AS 2001.2.3.1- 2001	Flame Retardant AS 1530.2- 1993	Flammability Index	Colours	Material	Manufacturer
Solashade Scaffold Mesh	1.83m x 50m  11kg	80GSM	950 kPa  <b>Test #</b> 18-003114	<b>Length:</b> 82.6 N <b>Width</b> 59.4 N <b>Test#</b> 2006	505N  <b>Test #</b> 18-003114	<b>Length</b> 400 N/50mm <b>Width</b> 170 N/50mm <b>Test#</b> 18-003114	NO  Complies	Test# 18-003124  Flammability Index 1	Black, Blue, Green & White	UV Stabilised HDPE	Manufactured in South Korea under guidance from Davmar Industries

#### Chain Link Fencing—Part 2

Description	Roll Size Roll Weight	Pallet Qty	Wire Diameter AS 2423-2002	Mesh Pitch AS 2423-2002	Breaking Force & Elongation AS2001.2.3.1- 2001	Material	Manufacturer
Chain Link Fence	1.8m x 15m  34 KG	15	2.24mm	50mm x 50mm Diamond Pattern	Tensile Strength 454.98 N/mm  Breaking Load 1809.0 N	Heavy Galvanised  Knuckle / Knuckle	Manufactured Under guidance by Davmar Industries

The above data sheet has been compiled using official test results obtained by Davmar Industries Pty Ltd using the approved testing laboratories of the AWTA Product Testing. The above test results are carried out to Australian Standards. Please refer to all certified copies.

# 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 :** Davmar Industries Pty Ltd  
108 Derrimut Drive  
Derrimut VIC 3030

**Test Number :** 18-003124  
**Issue Date :** 13/06/2018  
**Print Date :** 14/06/2018

**Sample Description** Clients Ref : "Scaffold Mesh Standard"  
Knitted Mesh  
Colour : Black  
Nominal Composition : HDPE  
Nominal Mass per Unit Area/Density : 80g/m<sup>2</sup>  
Nominal Thickness : Approx: 1mm

AS 1530.2-1993

### Methods for Fire Tests on Building Materials, Components and Structures. Part 2: Test for Flammability of Materials

Date Tested		13/06/2018
Flammability Index		1
	Length	Width
Spread Factor	0	0
Heat Factor	1	1
Maximum height (d)		
Mean	1.0	1.0
Coefficient of Variation	0.0	0.0 %
Heat (a)		
Mean	2.2	1.9 °C.min
Coefficient of Variation	18.6	15.5 %
Number of Specimens Tested	6	9
Observation	Melting.	

These test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the material in use.

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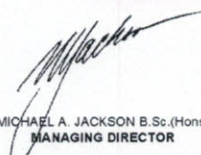
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MICHAEL A. JACKSON B.Sc.(Hons)  
MANAGING DIRECTOR

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## TEST REPORT

**Client :** Davmar Industries Pty Ltd  
108 Derrimut Drive  
Derrimut VIC 3030

**Test Number :** 18-003123  
**Issue Date :** 22/06/2018  
**Print Date :** 22/06/2018

**Sample Description** Clients Ref : "Scaffold Mesh Standard"  
Knitted Mesh  
Colour : Black  
Nominal Composition : HDPE  
Nominal Mass per Unit Area/Density : 80g/m2  
Nominal Thickness : Approx: 1mm

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:	20/06/2018	
	Standard Error	Mean
Ignition time	0.94	9.08 min
Flame propagation time	Nil	Nil sec
Heat release integral	2.1	19.6 kJ/m <sup>2</sup>
Smoke release, log d	0.0362	-1.4798
Optical density, d		0.0338 / metre
No of samples which ignited		7
For Samples which ignited		
Smoke Release (Log D) - Mean		-1.4798
Smoke Release (Log D) - Standard Error		0.0362
No of samples which did not ignite		2
For Samples which did not ignite		
Smoke Release (Log D) - Mean		-1.4907
Smoke Release (Log D) - Standard Error		0.0000
Number of specimens tested:		9

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**Test Number :** 18-003123  
**Issue Date :** 22/06/2018  
**Print Date :** 22/06/2018

### Regulatory Indices:

Ignitability Index	11	Range 0-20
Spread of Flame Index	0	Range 0-10
Heat Evolved Index	0	Range 0-10
Smoke Developed Index	3	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.

Ignition is initiated by a pilot flame that is held near, but does not touch the specimen. A material that does not ignite during the standard test may ignite if contacted with a pilot flame during the test.

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.

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

The specimens were mounted to simulate use in an unsupported or free hanging mode. The results may be significantly different when mounted to simulate a wall cladding or upholstery application.

Each test specimen was sandwiched between two layers of galvanised welded square mesh made from wire of nominal diameter 0.8mm and nominal spacing 12mm in both directions, stapled through at four points, each 100mm from the centre of the sample and the assembly clamped in four places.

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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## TEST REPORT

**Client :** Davmar Industries Pty Ltd  
108 Derrimut Drive  
Derrimut VIC 3030

**Test Number :** 18-003114  
**Issue Date :** 13/06/2018  
**Print Date :** 13/06/2018

**Sample Description** Clients Ref : "Scaffold Mesh Standard"  
Knitted Mesh  
Colour : Black  
Nominal Composition : HDPE  
Nominal Mass per Unit Area/Density : 80g/m2

### AS 2001.2.10-1986

#### Methods of Test for Textiles - Physical Tests

##### Determination of the Tear Resistance of Woven Textiles Fabrics by the Wing Rip Method

	Length	Width
Mean	58.5	29.5 N
Maximum value	63.4	31.6 N
Minimum value	56.4	25.2 N

### AS 2001.2.4-1990

#### Method B

#### Bursting Pressure of Textile Fabrics - Hydraulic Diaphragm Method

Mean Bursting Pressure 950 kPa  
Coefficient of Variation 0.0 %  
State of Tested Specimen Conditioned

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**Test Number :** 18-003114  
**Issue Date :** 13/06/2018  
**Print Date :** 13/06/2018

AS 2001.2.3.1-2001

### Methods of Test for Textiles - Physical Tests

#### Determination of Maximum Force and Elongation at Maximum Force using the Strip Method

Test Date	12/06/2018
Pretension	2 N
Type of Strip	Cut
Gauge Length	200 mm
Rate of Extension	100 mm/min
State of tested Specimen	Conditioned
Mean Maximum Force	Original
Length	400 N/50mm
Width	170 N/50mm
Mean Elongation at Maximum Force	Original
Length	37.5 %
Width	122 %
Number of Specimens Tested	Original
Length	5
Width	5

Sampling Pattern in accordance with Annex B.

Jaw Breaks occurred in the Width direction.

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**Client :** Davmar Industries Pty Ltd  
108 Derrimut Drive  
Derrimut VIC 3030

**Test Number :** 18-003114  
**Issue Date :** 13/06/2018  
**Print Date :** 13/06/2018

AS 2001.2.19-1988

### Methods of Test for Textiles - Physical Tests Determination of Bursting Force of Textile Fabrics - Ball Burst Method

Steel Ball Diameter 25.4 mm  
Force Applied to Face  
State of Tested Specimen Dry

Specimen	
1	531 N
2	513 N
3	472 N
4	532 N
5	480 N
Mean	505 N

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## TEST REPORT

**Client :** Davmar Industries Pty Ltd  
108 Derrimut Drive  
Derrimut VIC 3030

**Test Number :** 18-001487  
**Issue Date :** 28/03/2018  
**Print Date :** 28/03/2018  
**Order Number :** Q6425/Mark 26218

**Sample Description** Wire Strands  
2.24mm diameter

### Tensile Strength

Date of Test	28/03/2018
Gauge Length	200 mm
Cross Head Speed	100 mm/minute
State of Tested Specimen	Conditioned
Mean Force	1660 N
Mean Force	421 MPa
Number of specimens tested	5

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