



the certification group  
enhancing building performance

30 September 2009

Pittwater Council  
PO Box 882  
Mona Vale NSW 1660

Dear Sir/Madam,

**Re: Development Application No: N0513/08  
Our Occupation Certificate No: 109OC/2009  
Premises: 5 Forest Road, Warriewood**

Please find attached a copy of the following:-

- Occupation Certificate.

In accordance with the regulations we have enclosed a cheque for the sum of \$30.00 for the submission of the Part 4A certificate.

Should you have any further enquiries please do not hesitate to contact us and we will be pleased to assist you.

**NB:(Please forward receipt for the above \$30.00 fee to The Certification Group,  
PO Box 870 Narrabeen NSW 2101)**

Yours faithfully,

REC: 267978.  
11/10/09

Mark Wysman  
The Certification Group

Unit 3/6 Wilmette Place Mona Vale NSW 2103 . PO Box 870 Narrabeen NSW 2101

tel 9944 8222 . fax 9944 6330 . email: info@certgroup.com.au . www.certgroup.com.au . abn 47 121 229 166 - trading as The Certification Group

Accredited Certifiers · Principal Certifying Authority (PCA) · Critical Stage Inspections · Local Council Consultant Services · Building Code & Planning Consultants



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enhancing building performance

## OCCUPATION CERTIFICATE DETERMINATION

Issued under the Environmental Planning and Assessment Act 1979  
Section 109C (1) (c) and 109H

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**OCCUPATION CERTIFICATE NO:** 109OC/2009

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### DETERMINATION

Type of Certificate: **Final**  
Approved/Refused: **Approved**  
Date of Decision: **30 September 2009**

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### SUBJECT LAND

Address: 5 Forest Road, Warriewood  
Lot No, DP: Lot 12 DP 1042213  
Council: Pittwater

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### DESCRIPTION OF DEVELOPMENT

Description: Shade Structures A1 & A2 only (Excluding shade structure A3)  
BCA classification: 10a

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### APPLICANT

Name: Mater Maria Catholic College  
Address: 5 Forest Road, Warriewood  
Contact Number: (tel) tel: 9997 7044 (Contact Person - Mark Suters)

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### OWNER

Name: Mater Maria Catholic College  
Address: 5 Forest Road, Warriewood  
Contact Number: (tel) tel: 9997 7044 (Contact Person - Mark Suters)

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### DEVELOPMENT CONSENT

Council: Pittwater Council  
Development Consent No: N0513/08  
Date of Determination: 8 December 2008

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### CONSTRUCTION CERTIFICATE

Construction Certificate No: 109/2009  
Date of Determination: 25 February 2009

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Unit 3/6 Wilmette Place Mona Vale NSW 2103 . PO Box 870 Narrabeen NSW 2101

tel 9944 8222 . fax 9944 6330 . email: info@certgroup.com.au . www.certgroup.com.au . abn 47 121 229 166 - trading as The Certification Group

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**INFORMATION ATTACHED TO THIS DECISION**

	DATE
Geotechnical Assessment Report, prepared by: Jeffery and Katauskas P/L	21 September 2009
Form No. 3 Geotechnical Risk Management Policy for Pittwater, prepared by: Jeffery and Katauskas P/L	21 September 2009
Structural Adequacy Inspection Certificate, prepared by: Northrop	26 August 2009
Fire Retardent fabric letter of confirmation and specifications, prepared by: Sun Shade Australia	22 July 2009
Occupation Certificate Application Form	-

**RECORD OF CRITICAL STAGE & OTHER INSPECTIONS CARRIED OUT DURING CONSTRUCTION**

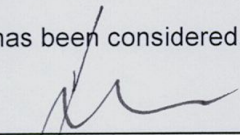
		DATE
Commencement	Satisfactory	3 September 2009
Frame(steel post)	Satisfactory	3 September 2009
Final	Unsatisfactory	3 September 2009
Final	Satisfactory	30 September 2009

**FINAL OCCUPATION CERTIFICATE**

I Mark Wysman certify that:

- The health and safety of the occupants of the building have been taken into consideration where an interim occupation certificate is being issued.
- A current development consent or complying development certificate is in force for the building.
- If any building work has been carried out, a current construction certificate (or complying development certificate) has been issued with respect to the plans and specifications for the building.
- The building is suitable for occupation or use in accordance with its classification under the *Building Code of Australia*.
- Where required, a fire safety certificate has been issued for the building.
- Where required, a report from the Fire Commissioner has been considered.

**SIGNATURE**

  
\_\_\_\_\_

**DATE OF ENDORSEMENT**

**30 September 2009**

**CERTIFICATE NO**

**109OC/2009**

**CERTIFYING AUTHORITY**

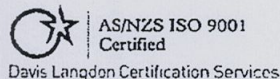
Name of Certifying Authority  
Name of Accredited Certifier  
Registration No  
Contact No  
Address

THE CERTIFICATION GROUP  
**Mark Wysman**  
BPB 0449 – NSW Building Professional Board  
PH (02) 9944 8222, FAX (02) 9944 6330  
PO BOX 870 NARRABEEN NSW 2101

# Jeffery and Katauskas Pty Ltd

CONSULTING GEOTECHNICAL AND ENVIRONMENTAL ENGINEERS  
ABN 17 003 550 801

COUNCIL COPY



Davis Langdon Certification Services

PO BOX 976, NORTH RYDE BC NSW 1670  
Tel: 02 9888 5000 • Fax: 02 9888 5001  
Email: engineers@jkgroup.net.au

21 September, 2009  
Ref: 15427LLet

Mater Maria Catholic College, Warriewood  
5 Forest Road  
WARRIEWOOD NSW 2101

ATTENTION: Mr Mark Suters

Dear Sirs

## **SHADE STRUCTURES** **MATER MARIA CATHOLIC COLLEGE, WARRIEWOOD**

This letter is to confirm our advice in regards to ongoing maintenance/inspections for the proposed new shade structures at Mater Maria Catholic College, Warriewood.

Jeffery and Katauskas have completed a geotechnical assessment (Reference 15427SL3rpt, dated 23 June 2008). Following review of the structural drawing (Reference Drawing Number 1140-S01 Revision B dated 3 February 2009) we provided a completed Form 2. The structural drawings indicated that all loads from the shade structure were to be carried by existing structural elements and therefore did not rely on any new footings for support.

We understand that construction of the shade structure is now complete and therefore we have enclosed our completed Form 3. For the structure constructed, we are of the opinion that there is no specific requirement for any geotechnical maintenance or inspections to be placed on the site. Structural inspections of existing elements where additional loads have been placed (such as retaining walls) may be required during the life of the structure, and further advice on this aspect should be obtained from the structural engineers.



Principals: L J Speechley BE(Hons) MEngSc; P Stubbs BSc(Eng) MICE FGS; D Tweek DipTech; B F Walker BE DIC MSc.  
Senior Associates: D J Bliss BE(Hons) MEngSc; A L Jackaman BE MEngSc; A J Kingswell BSc(Hons) MSc;  
F A Vega BSc(Eng) GDE; P C Wright BE(Hons) MEngSc; A Zenon BSc(Eng) GDE. Associates: P D Roberts BSc MSc;  
W Theunissen BE MEngSc; A B Walker BE(Hons) MEngSc. Principal Consultants: E H Fletcher BSc(Eng) ME; R P Jeffery BE DIC MSc.



Ref: 15427LLet.doc  
Page 2



Should you require any further information regarding the above please do not hesitate to contact the undersigned.

Yours faithfully  
For and on behalf of  
JEFFERY AND KATAUSKAS PTY LTD

A handwritten signature in black ink, appearing to read 'LJ Speechley', written in a cursive style.

LJ Speechley  
Principal.

GEOTECHNICAL RISK MANAGEMENT POLICY FOR PITTWATER  
FORM NO. 3 – Post Construction Geotechnical Certificate

Development Application for MATER MARIA COLLEGE  
Name of Applicant  
Address of site 5 FOREST ROAD, WARRIEWOOD

Declaration made by geotechnical engineer on completion of the Development

I, PAUL STUBBS on behalf of Jeffery & Katauskas Pty Ltd.  
(Insert Name) (Trading or Company Name)

on this the 21st SEPTEMBER 2009  
certify that I am a geotechnical engineer as defined by the Geotechnical Risk Management Policy for Pittwater. I am authorised by the above organisation/company to issue this document and to certify that the organisation/company has a current professional indemnity policy of at least \$2million. ; I prepared and/or verified the Geotechnical Report as per Form 1 dated \_\_\_\_\_ referred to below.

Geotechnical Report Details:

Report Title: GEOTECHNICAL ASSESSMENT  
Report Date: 23 JUNE 2008 Report Ref. No: 15427SL3 rpt.  
Author: MR L. J. SPEECHLEY

~~We~~ reviewed the original structural design, and where applicable the subsequently amended structural details (below listed) which have been incorporated into the completed project.

~~We~~ <sup>are</sup> have inspected and/or <sup>are</sup> satisfied that the foundation materials, upon which the structural elements (as detailed in the original and amended structural documents) of the development have been erected, comply with the requirements specified in the Geotechnical Report. **NO GEOTECHNICAL INSPECTION REQUIRED. NEW STRUCTURAL ELEMENTS CONNECTED TO EXISTING STRUCTURAL ELEMENTS WHICH HAVE BEEN ASSESSED BY THE**



~~We~~ <sup>are</sup> have inspected the site during construction and to the best of my knowledge, I am satisfied that the development referred to in the development consent D.A. N0513/08 dated 8 DECEMBER 2008 (D.A.No). (Date consent given) **STRUCTURAL ENGINE ASSESSED BY THE**

~~has been constructed in accordance with the intent of the Geotechnical Report, and the requirements of the conditions of Development Consent relating to the geotechnical issues (including any treatment and/or maintenance plan that may be required to remove risk where reasonable and practical).~~ **NO GEOTECHNICAL INSPECTIONS CARRIED OUT, AS AMENDED STRUCTURAL DETAILS HAVE NO GEOTECHNICAL IMPLICATIONS.**

~~We~~ <sup>are</sup> am aware that Pittwater Council require this certificate prior to issuing an occupancy certificate for the development identified above and will rely on this certificate in regard to the development having achieved the "Acceptable Risk Management" criterion defined in the Policy and that reasonable and practical measures have been taken to remove foreseeable risk. *as indicated in Report.*

List of all work as executed drawings and Ongoing Maintenance plans relevant to geotechnical risk management.

STRUCTURAL DRAWING: JOB No. 06444, DRAWING No 1140-SC1, REVISION B.

Signature .....  .....  
Name .....  
Chartered Professional Status .....  .....  
Membership No. ....  
For and on behalf of *Jeffery & Katauskas Pty Ltd.*



Bringing people, ideas & engineering together

Level 1 Grafton Bond Store, 60 Hickson Road Sydney NSW 2000

PO Box H171 Australia Square NSW 1215

T (02) 9241 4188 F (02) 9241 4324 E sydney@northrop.com.au

www.northrop.com.au ABN 81 094 433 100

26 August  
Job Number: 06444/1140

**COUNCIL COPY**

Mark Suters  
Mater Maria Catholic College  
5 Forest Road  
Warriewood NSW 2102

### NEW SHADE STRUCTURE

#### INSPECTION CERTIFICATION AS TO COMPLIANCE WITH THE STRUCTURAL DOCUMENTATION

Dear Mark,

We, Northrop Engineers, being professional engineers, certify that we have carried out a final inspection of the shade structure and

- a) The work required by our structural engineering drawings and engineering instructions issued up to the time of inspection conformed generally with the drawings and instructions.
- b) There is a low risk of any adverse affects on the existing footings and retaining walls as a result of the currently erected shade structure.

The structural engineering drawings referred to in this certification are: 06444\1140 S01-S03.

This certificate shall not be construed as relieving any other party of their responsibility.

Yours sincerely,

Todd Halliday  
Associate  
Structural Engineer  
BE ME Studies MIEAust CPEng

COUNCIL COPY



Mr Mark Suters  
Director of Services  
Mater Maria College  
Forest Rd  
Warriewood NSW 2102

22 July 2009

Dear Mark

Re: Bottom Court shade project

As requested, please accept this letter of confirmation regarding the shade cloth used for the project in the above area.

Both sails were made using HVG Extrablock fabric which has fire retardant features as one of its main benefits.

Please see enclosed brochure and specifications sheet for details.

Please call if you require any further information

Regards

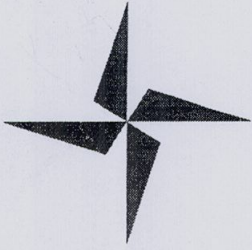
A handwritten signature in black ink, appearing to read "Rebecca Schofield".

Rebecca Schofield

**E-MAILED**  
22/7/09



COUNCIL COPY



the certification group  
enhancing building performance

APPLICATION FORM

Made under the Environmental Planning and Assessment Act 1979, Sections 81A(2)(4), 84A, 85A, & 109C, Environmental Planning and Assessment Regulation 2000, clauses 126, 139 and 149.

To complete this form, please place a cross in the boxes and fill out the white sections as appropriate.

Application Sought

- Complying Development Certificate
- Occupation Certificate

(Final)  
31/8/09.

- Construction Certificate
- Principal Certifying Authority

Office Use Only  
CC: 109/2009  
Job: WHN113-09

Subject Land

Address 5 FOREST ROAD WARRIEWOOD

Lot No, DP, SP, vol/fol. Etc 12 1042213

Details of the applicant

Name /Company MATER MARIA CATHOLIC COLLEGE

Contact Person MARK SUTERS

Postal Address 5 FOREST ROAD WARRIEWOOD

Postcode NSW 2102 State

E-mail mark.suters@dbb.edu.au

Daytime telephone 9997 7044

Fax 02 9997 7044

Mobile 0404 875190

Applicant Signature

Date

Consent of Owner(s)

We as the owner/s of the above property authorise for Mark Wysman to provide Construction Certification and to act as the Principal Certifying Authority for the subject building works, including site inspections and to lodge the Notice of Commencement / Appointment of the Principal Certifying Authority with the relevant Council.

Name(s)/ Company MATER MARIA CATHOLIC COLLEGE

Address 5 FOREST ROAD WARRIEWOOD

Postcode NSW State 2102

Phone No 02 9997 7044

Mobile

Fax 02 9997 6042

Signature of Registered owner(s). Company stamp or seal to be affixed if applicable

Date

13/1/2009



Description of the work proposed

Type of work proposed:

New Building     Additions / Alterations

Class of Building under Building Code of Australia 10a

Description of the work SHADE STRUCTURE

Construction Cost of Works \$ 15K

Details of Builder

Contact Person SAVSHADE AUSTRALIA

Name /Company DOC CAWSON

Fax 02 9974 4580 Mobile 0416 221 078

Daytime telephone 02 9974 5019 Email \_\_\_\_\_

Builders address PO BOX 287 AVALON NSW 2107 Postcode \_\_\_\_\_

Details of the relevant Development Consent granted

Consent No. DA N0513/08 Date the consent was granted 8/12/2008

Applicant Checklist

- Complete Application Form – Pages 1 & 2
- Attach supporting documentation as nominated on Page 3
- Complete statistical Return on Page 4

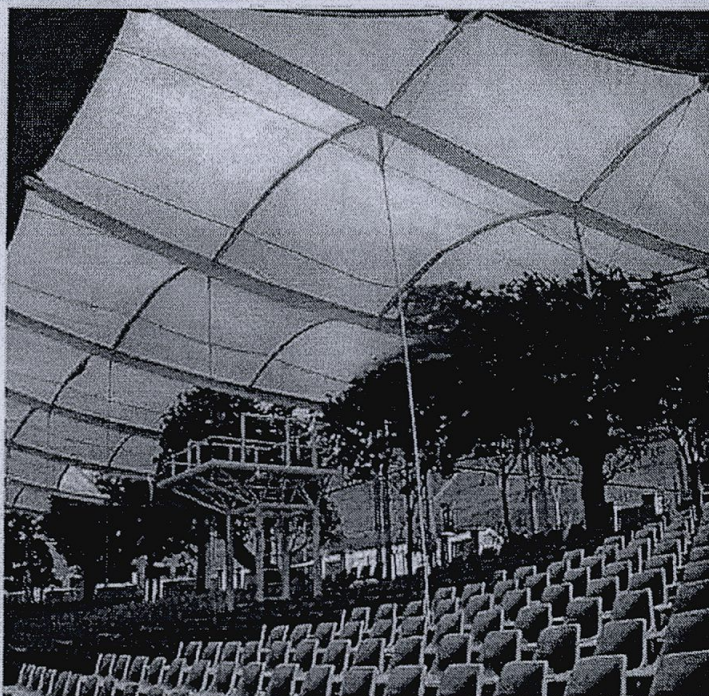
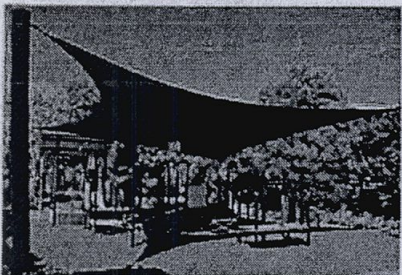
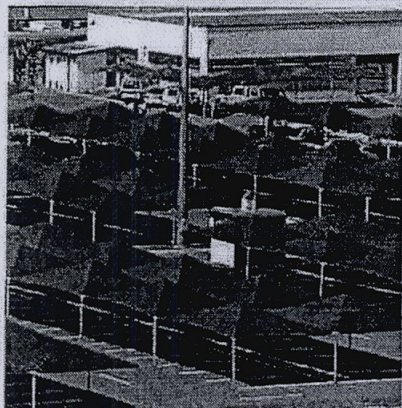
Private Policy

The information you provide in this notice is required under the Environmental Planning and Assessment Act 1979 if you are going to erect a building. If you do not provide the information to the consent authority, you cannot commence the work. The information will be held by the consent authority and by the council (if the council is not the consent authority). Please contact the certification group if the information you have provided in this notice is incorrect or changes.

Date of receipt (To be completed by Certifying Authority)

Date 20-2-2009 (OC 31-8-09)

# EXTRABLOCK®



## A shade cloth that provides protection as well as aesthetics

### High Shade Levels | Fire Retardant

- Extrablock has high levels of UPF/UVR/shade to protect you from harmful UV rays
- Extrablock has UPF/UVR/shade levels over the requirement for use in kindergartens, preschools etc
- Extrablock colours are fire retardant except cream and beige at little more expense compared to other brands of shade cloth. Extrablock is the perfect choice in public areas, high fire risk areas, areas prone to vandalism, parks and schools
- Extrablock is the result of years of R&D by ALNET to achieve a true structural shade cloth. The aim was to make a shade cloth with similar stretch features as a reinforced PVC
- Extrablock is widely regarded around the world and is in use for a wide variety of uses, some of which are:
  - Tension structures - Shade Sales - Umbrellas - Building awnings - Blinds - Gazebos

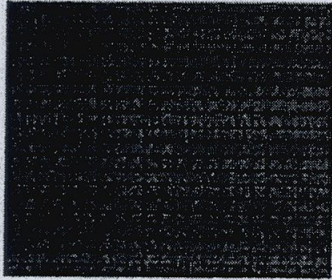
**10 Year UV  
Warranty\***

\* Conditions Apply

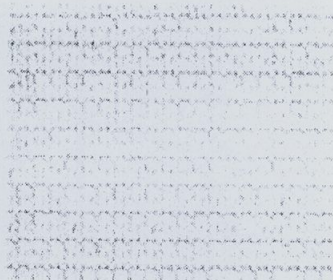
**HVG**  
HALLMARK VENTURES GROUP

**ALNET**

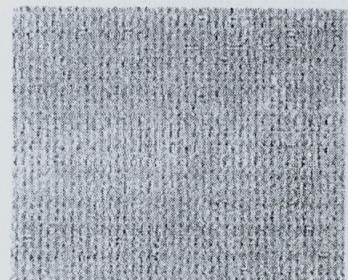
# EXTRABLOCK®



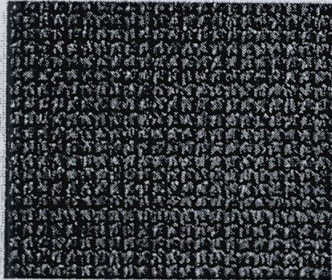
**Sunblaze**  
UVR: 97.6 UPF: 41 Shade: 94.9°



**Cream (non fr)**  
UVR: 95.4 UPF: 21 Shade: 81.4°



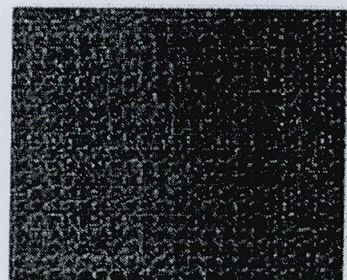
**Beige (non fr)**  
UVR: 95.3 UPF: 21 Shade: 86.8°



**Silver**  
UVR: 97.3 UPF: 37 Shade: 95.5°



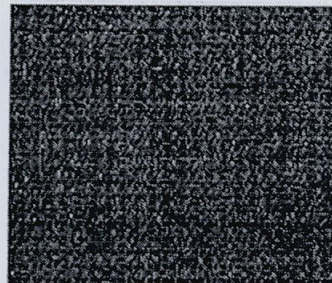
**Forest Green**  
UVR: 95.7 UPF: 23 Shade: 93°



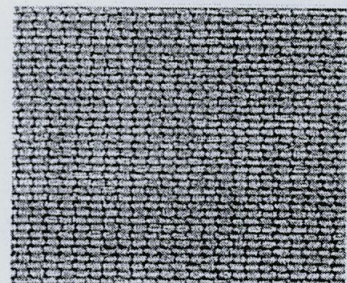
**True Blue**  
UVR: 97.1 UPF: 34 Shade: 94.5°



**Midnight\***



**Charcoal\***



**Latte\***

\*New colour and technical data will be available soon

Please also refer to an actual sample before specifying colours, as colours can vary due to the printing process

Weight	330gsm	Tear Strength ASTM D 1424	Warp 200N, Weft 196N
Width	300cm lay flat & centre folded	Elongation at Break ASTM D 4595	Warp 68%, Weft 58%
Length	32mt & 50mt. Customer lengths upon request	Breaking Force AS 2001.2.3.2	Warp 979N, Weft 1228N
FR AS1530.2	Flammability 1, Spread 0, Heat 1	UVR/UPF/SHADE COVER	AS 4174
FR AS1530.3	Ignitability 13, Spread 7, Heat 2, Smoke 5	UV Warranty	**10 Years
Burst AS2001.2.4	Mean 3000KPa	Stentured: Yes, steam stentured in a flat position for superior lay flat fabric as opposed to hot rollers	
Strip Tensile ASTM D 4595	Warp 18kN/m, Weft 26 kN/m		

\*\*Conditions Apply



P: 1300 854 166  
F: 1300 858 889  
hvg@halifaxvogel.com.au  
www.halifaxvogel.com.au

Available from:



www.alnet.co.za

# industrial materials

## Extrablock Datasheet

- Description:** Extrablock is designed for use in tension structures, sails, awnings & umbrellas. Manufactured using 16 gauge monofilament and tape, Extrablock has high tensile strength and near equal elongation in warp, weft & bias directions. Fire Retardancy comes standard in Sunblaze, Silver, Forest Green, Midnight, Latte, Charcoal & True Blue, while all colors have exceptionally high UVR & UPF levels.
- Application:** Tension Structures, Sails, Roll Up & Fixed Awnings, Umbrellas
- Weight:** 330gsm
- Roll Width:** 3M
- Roll Length:** 50M lay flat
- Colours:** Sunblaze, Cream, Beige, Silver, Forest Green, True Blue, Midnight, Latte & Charcoal
- Construction:** 16 Gauge Mono Yarn & Tape in HDPE
- UVR Levels:** Sunblaze 97.6, Cream 95.4, Beige 95.3, Silver 97.3, Forest Green 95.7, True Blue 97.1  
Midnight 97.6, Latte 95.5, Charcoal 95.7
- UPF Levels:** Sunblaze 41, Cream 21, Beige 21, Silver 37, Forest Green 23, True Blue 34  
Midnight 41, Latte 22.2, Charcoal 23
- Shade Cover:** Sunblaze 94.9, Cream 81.4, Beige 86.8, Silver 97.5, Forest Green 93, True Blue 94.5
- FR AS1530.2:** Flammability 1, Spread Factor 0, Heat Factor 1
- FR AS1530.3:** Ignitability - 13, Spread of Flame - 7, Heat Evolved - 2, Smoke - 5
- C.F.R.:** Meets California Fire Marshalls requirements, Title 19, Section 1237UV
- Warranty:** 10 Years
- Burst Strength:** Mean 3000 KPa, AS2001.2.4 -1990
- Strip Tensile Test:** Warp 18 kN/m, Weft 26 kN/m, ASTM D 4595-86
- Tear Strength:** Warp 200N, Weft 196N, ASTM D 1424
- Elongation: At Break** Warp 68%, Weft 58%, ASTM D 4595-86
- Break Force: (Grab test)** Warp 979N, Weft 1228N, AS2001.2.3.2 - 2001

**Product Performance and Suitability:** All of the descriptive information and recommendations for use of this product shall only be used as a guide. Furnishing such information in no event constitute a warranty of any kind. Buyers shall independently test and determine the suitability of the material for the purpose for which it is intended. No one is authorized to give any warranty, guarantee or make any representation in addition or contrary to the above.

(JW/EC0907 2007)



### Halifax Vogel Group in Australia & New Zealand

p 1300 558 882 (Australia wide) +61 (02) 9556 6000 (Outside Australia)  
f 1300 658 689 (Australia wide) +61 (02) 9556 6066 (Outside Australia)  
w [www.halifaxvogel.com.au](http://www.halifaxvogel.com.au)

