
Sent: 6/05/2016 11:43:40 AM
Subject: MB Certifications - Occ Cert - Rec 394675 - Prouds Jewellers, Shop 25, 12 Jackson Rd Warriewood
Attachments: LALLISON20160506113936~67683P1REV_ReceiptDefaultRoll_PWC.pdf; 01.1 - Oc 160000913 Issued 05 May 2016.pdf; 02.1 - Fire Test Report P0002573 - Prepared By Apl Dated.pdf; 02.2 - Installation Certificate - Electrical - Prepared.pdf; 02.3 - Oc Application Form - 04 May 2016.pdf; LALLISON20160506113936~67683P1REV_ReceiptDefaultRoll_PWC.pdf; 01.1 - Oc 160000913 Issued 05 May 2016.pdf; 02.1 - Fire Test Report P0002573 - Prepared By Apl Dated.pdf; 02.2 - Installation Certificate - Electrical - Prepared.pdf; 02.3 - Oc Application Form - 04 May 2016.pdf;

Laurie Allison
Group Leader, Customer Service
P: 9970 1249
M: 0429 927 246



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From: Laurie Allison
Sent: Friday, 6 May 2016 11:41 AM
To: Laurie Allison
Subject: Emailing - LALLISON20160506113936~67683P1REV_ReceiptDefaultRoll_PWC.pdf

CERTIFICATE OF COMPLIANCE - ELECTRICAL WORK

Customer COPY

CERTIFICATE NO: 1508326

CUSTOMER DETAILS

Name	Prouds Wavrewood	
Site Address	Shop 25, 12 Jacksons RD, Wavrewood.	
Cross Street	Alexander	Postcode 2102

Telephone Contact	
Meter No:	
NMI (if applicable)	

INSTALLATION WORK DETAILS Indicate the type of installation and types of work performed under this Notice					
Type of Installation	☐ Residential	☒ Commercial	☐ Industrial	☐ Rural	☐ Other
Special Conditions	☐ over 100 amps	☐ High Voltage	☐ Hazardous Area	☐ Generator	☐ Unmetered Supply

CERTIFICATE MUST BE ISSUED TO THE CUSTOMER FOR ALL ELECTRICAL WORK

Work of the following type must ALSO be notified to the ELECTRICITY DISTRIBUTOR (DNSP)

- ☐ New Installation
☒ Additions or alterations to a switchboard or associated equipment
☐ Network connection or metering
☐ Defect Rectification No:

DETAILS OF EQUIPMENT Describe the equipment and estimate load increase of the work affected by this Notice.
If insufficient space attach separate sheets.

EQUIPMENT	RATING	No.	PARTICULARS OF WORK
☐ Switchboards			✓ Disconnect existing metal halide
☐ Circuits			shop lights and install new
☒ Lighting	16amp	3	lower wattage LED lights
☐ Socket-outlets			to meet BCA56 compliance at
☐ Appliances			16watts psm.
Estimated increase in load A/ph			☐ Increased load is within capacity of installation/service mains
☐ Work is connected to supply			☐ Work is not connected to supply pending inspection by DNSP

The work has been carried out
or supervised by:

Anthony Elaro

Licence No:

186064C

TEST REPORT

Indicate the relevant tests and checks that have been performed on the work.
If test records are provided attach as separate sheets.

☒ Earthing system integrity Ω	☐ Residual current device operation
☒ Insulation resistance M Ω	☐ Visual check that installation is suitable for connection to supply
☒ Polarity	☐ Stand-alone power system complies with AS 4509
☐ Correct circuit connections	☐ Fault loop impedance (if necessary)

I confirm that I have carried out the above tests and visually checked that the installation work described in this Certificate complies with AS/NZS 3000 and is suitable for its intended use.

Name: Anthony Elaro

Licence No:

186064C

Signature:

Anthony Elaro

Date of Testing:

25/4/2016

CERTIFICATION

I, the Electrical Contractor give notice to the Customer and

(Name of DNSP or OFT), that the work described in this Certificate has been completed in accordance with the Electricity (Consumer Safety) Regulation 2006

Name: Anthony Elaro

Licence No:

186064C

Signature:

Anthony Elaro

Date of Notice:

25/4/16

Address:

15 Paris St Belfield 2141

Telephone No.

0414 304338

ELECTRICITY DISTRIBUTOR (DNSP) REMARKS

Inspected

by:

Comments:

Date

Date

Section A Details of the applicant*

Name: *Prouds Jewellers*
Correspondence to be C/-: *Barrett ShopFitting*
Postal Address: *Unit 12, 55-61 Pine Road Yennora NSW 2161*
Phone: *07 3376 7400*
Email: *cliveb@shopfit.com.au*

Section B Details of the land on which the building work is situated

Street Address: *Shop 25 - Prouds Jewellers, 12 Jackson Road*
Suburb & Postcode: *Warriewood 2102*
Title Particulars (Lot & DP/SP): *Lot 22 DP1159968*

Section C Description of the building work

Briefly describe the development undertaken: *Internal fitout to existing retail tenancy*

BCA Class (include all new and existing classes): *6*

Section D Type of Occupation Certificate sought

☒ Interim Occupation Certificate ☒ Final Occupation Certificate

Section E IMPORTANT ITEMS TO ACCOMPANY THIS APPLICATION

This information will vary for each application, please supply all relevant documentation. Tick or indicate not applicable in the check boxes below. Documents accompanying this application are as prescribed by the Environmental Planning & Assessment Act, 1979, as amended, and the Environmental Planning & Assessment Regulation 2000, as amended.

1. A copy of the relevant Development Consent or Complying Development Certificate ☒
2. A copy of the relevant Construction Certificate (if applicable) ☐
3. A copy of the relevant Fire Safety Certificate (if applicable) ☒
4. A copy of any relevant Part 4A Compliance Certificate (if applicable) ☒

Section F Applicants' consent

- I/we consent to the making of this application.

Name(s): *Prouds Jewellers*

Signature of applicant(s):



Date: *27-4-2016*

PLEASE SIGN HERE

Office Use Only

To be completed by the certifying authority immediately after receiving the application.

Application No.:	<i>16000123</i>	Date Received:	04 May 2016
------------------	-----------------	----------------	--------------------

Tax Invoice

Official Receipt

ABN: 61340837871

6/05/2016

Receipt No:

394675

To: HEATH McNAB
MB CERTIFICATIONS
SUITE 112-114, 117 OLD
PITTWATER RD
BROOKVALE NSW 2100

Applic	Reference	Amount
GL Receipt		
PRVC-Priv Issd Certi		\$36.00
1 X OCC CERT SHOP 25, 12 JACKSONS RD		
CCGST-CCard +GST		\$0.36
1		
Transaction Total:		\$36.36
Includes GST of:		\$0.00

Amounts Tendered

Cash	\$0.00
Cheque	\$0.00
Db/Cr Card	\$36.36
Money Order	\$0.00
Agency	\$0.00
Total	\$36.36
Rounding	\$0.00
Change	\$0.00
Nett	\$36.36

Printed 6/05/2016 11:39:36AM

Issued under Environmental Planning & Assessment Act 1979 – Part 4A Division 1

Environmental Planning & Assessment Regulation 2000 – Part 8 Division 3

Certificate Number: 16000091 / 3

Section A The Application

1. Details of the Applicant

Name: Prouds Jewellers
Address: Barrett ShopFitting, Unit 12, 55-61 Pine Road Yennora 2161
Phone: 0419 356 106
Email: cliveb@shopfit.com.au
Job Reference no. 16000123

2. Details of the property

Unit / Street Number: Shop 25 - Prouds Jewellers, 12
Street Name: Jackson Road
Suburb & Postcode: Warriewood 2102
Title Particulars (Lot & DP/SP): 22 DP 1159968

3. Description of the Approved Development

Internal fitout to existing retail tenancy..

4. Description of the Development Subject of this Certificate

Internal fitout to existing retail tenancy..

5. Class of building

Classification of the building/s under the Building Code of Australia

6

6. Date of the application

Date Application was received: 05 May 2016

Section B The Approval

1. Development Consent Details

DA / CDC Reference number: 16000091/1
Date of issue: 07 Apr 2016

2. Construction Certificate Details (if applicable)

CC Reference number: 16000091 / 3
Accredited Certifier: Eric Bailey
Date of issue: 05 May 2016

Section C Principal Certifying Authority

Name: Eric Bailey Accreditation No.: BPB0016
Phone: 9939 1530
Address: Suite 114 / 117 Old Pittwater Road, Brookvale NSW 2100

Section D Attachments

Refer to Appendix A for the Attachments for this Occupation Certificate

Section E Fire Safety Schedule

Refer to Appendix B for the Fire Safety Schedule for this Complying Development Certificate

Section F Certification

I certify that

- I have been appointed as the Principal Certifying Authority under Section 109E of the Environmental Planning and Assessment Act 1979
- a current development consent is in force for the building.
- a current Construction Certificate, if so required, has been issued with a respect to the plans and specifications for the building works that has been carried out.
- the building is suitable for occupation or use in accordance with its classification under the Building Code of Australia

Section G Signature

Signed:



Date of endorsement:

05 May 2016

Certificate Number:

16000091 / 3

Section H Dates

Date of this Certificate:

05 May 2016

APPENDIX A

Attachments

- Fire Test Report; P0002573 - prepared by APL, dated 14 Feb 2007
- Installation Certificate - Electrical - prepared by Anthony Elavo, dated 25 April 2016
- OC Application Form - 04 May 2016
- See information relied upon for issuance of Interim Occupation Certificate: 16000091/2, issued 28 April 2016

APPENDIX B

Fire Safety Schedule

(Pursuant to Clause 168 of the Environmental Planning and Assessment Regulation 2000)

No changes - See information relied upon for issuance of Interim Occupation Certificate: 16000091/2, issued 28 April 2016

Att Mr Roy Blood
m/s Ontera Modular Carpets Pty. Ltd,
171 Briens Rd,
N.S.W. 2145

TEST REPORT No. 0071046

LABORATORY REF: P071046

CUSTOMER REFERENCE
24 OZ ENVISIONS

Sample description as provided by customer

Mass/unit area **24 oz/yd²** g/m² Pile Fibre Content **100% NYLON 6.6**

Construction Details **Tufted** Secondary Backing **Polymer Backing**

Style **CUT PILE**

Order No. **P0002573**

Colour **Blue**

Pile Height / mm

The samples tested were **MODULAR CARPET**

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Jan 2007**

Test Date **14/2/2007**

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate using a WATER BASED PRESSURE SENSATIVE ADHESIVE

Substrate : Non-combustible

Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux **7.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **7.8 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.4	6.1	8.0	7.2
Smoke Development Rate (%.min)	446	433	409	429

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
The Critical Radiant Flux quoted is the value at Flame-Out.

MEAN CRITICAL RADIANT FLUX 7.2 kW/m²
MEAN SMOKE DEVELOPMENT RATE 429 %.min

OBSERVATIONS **The samples shrunk away from the heat source then ignited**



Authorised Signatory **M. B. Webb**
Date **14/2/2007**



NATA Reg. No. 15393
Heat and temperature measurement.

ACCREDITED FOR
**TECHNICAL
COMPETENCE**

PAGE 1 of 2

Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

1001 01 06

Pyrometer temperature
On calibration 535.9 °C
Start of test run 538.2
End of test run 536.6

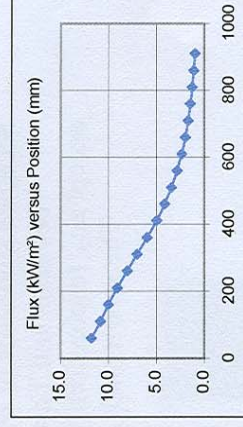
Chamber temperature
On calibration 96.6 °C
Start of test run 93.5
End of test run 94.2

Clause 7.2.2 AS/ISO 9239 The pyrometer should be $\pm 5^\circ$ of calibration temperature.
The Chamber temperature should be $\pm 10^\circ$ of calibration temperature
The Holding Tension on Specimen Frame was 1 Nm

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	149	159	266	392	538	717	/											
2	169	171	278	336	454	764	981	/										
3	148	156	252	342	562	/												

FLUX CALIBRATION: FLX070001



TESTS

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Width	77	402	270	753	(n/a)
Specimen Tests: Length					
1	76	446	290	1,017	(n/a)
2	72	433	350	1,129	(n/a)
3	79	409	260	944	(n/a)
Mean	76	429	300	1,030	



ACCREDITED FOR
TECHNICAL
COMPETENCE

NATA Reg. No. 15393
Heat and temperature measurement.

Authorised Signatory
M B Webb
Date 14/2/2007

PAGE 2 of 2

The laboratory does not allow the use of this page of the report without the use of page 1.
This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

2001 01 06 6834 07020038-0037-0039-0040

CERTIFICATE OF COMPLIANCE - ELECTRICAL WORK

Customer COPY

CERTIFICATE NO: 1508326

CUSTOMER DETAILS

Name	Prouds Wavrewood	
Site Address	shop 25, 12 Jacksons RD, Wavrewood.	
Cross Street	Alexander	Postcode 2102

Telephone Contact	
Meter No:	
NMI (if applicable)	

INSTALLATION WORK DETAILS Indicate the type of installation and types of work performed under this Notice					
Type of Installation	☐ Residential	☒ Commercial	☐ Industrial	☐ Rural	☐ Other
Special Conditions	☐ over 100 amps	☐ High Voltage	☐ Hazardous Area	☐ Generator	☐ Unmetered Supply

CERTIFICATE MUST BE ISSUED TO THE CUSTOMER FOR ALL ELECTRICAL WORK

Work of the following type must ALSO be notified to the ELECTRICITY DISTRIBUTOR (DNSP)

- ☐ New Installation
☒ Additions or alterations to a switchboard or associated equipment
☐ Network connection or metering
☐ Defect Rectification No:

DETAILS OF EQUIPMENT Describe the equipment and estimate load increase of the work affected by this Notice.
If insufficient space attach separate sheets.

EQUIPMENT	RATING	No.	PARTICULARS OF WORK
☐ Switchboards			✓ Disconnect existing metal halide
☐ Circuits			shop lights and install new
☒ Lighting	16amp	3	lower wattage LED lights
☐ Socket-outlets			to meet BCA56 compliance at
☐ Appliances			16watts psm.
Estimated increase in load A/ph			☐ Increased load is within capacity of installation/service mains
☐ Work is connected to supply			☐ Work is not connected to supply pending inspection by DNSP

The work has been carried out
or supervised by:

Anthony Elaro

Licence No:

186064C

TEST REPORT

Indicate the relevant tests and checks that have been performed on the work.
If test records are provided attach as separate sheets.

☒ Earthing system integrity Ω	☐ Residual current device operation
☒ Insulation resistance M Ω	☐ Visual check that installation is suitable for connection to supply
☒ Polarity	☐ Stand-alone power system complies with AS 4509
☐ Correct circuit connections	☐ Fault loop impedance (if necessary)

I confirm that I have carried out the above tests and visually checked that the installation work described in this Certificate complies with AS/NZS 3000 and is suitable for its intended use.

Name: Anthony Elaro

Licence No:

186064C

Signature:

Anthony Elaro

Date of Testing:

25/4/2016

CERTIFICATION

I, the Electrical Contractor give notice to the Customer and

(Name of DNSP or OFT), that the work described in this Certificate has been completed in accordance with the Electricity (Consumer Safety) Regulation 2006

Name: Anthony Elaro

Licence No:

186064C

Signature:

Anthony Elaro

Date of Notice:

25/4/16

Address:

15 Paris St Belfield 2141

Telephone No.

0414 304338

ELECTRICITY DISTRIBUTOR (DNSP) REMARKS

Inspected

by:

Comments:

Date

Date



Section A Details of the applicant*

Name: *Prouds Jewellers*
Correspondence to be C/-: *Barrett ShopFitting*
Postal Address: *Unit 12, 55-61 Pine Road Yennora NSW 2161*
Phone: *07 3376 7400*
Email: *cliveb@shopfit.com.au*

Section B Details of the land on which the building work is situated

Street Address: *Shop 25 - Prouds Jewellers, 12 Jackson Road*
Suburb & Postcode: *Warriewood 2102*
Title Particulars (Lot & DP/SP): *Lot 22 DP1159968*

Section C Description of the building work

Briefly describe the development undertaken: *Internal fitout to existing retail tenancy*

BCA Class (include all new and existing classes): *6*

Section D Type of Occupation Certificate sought

☒ Interim Occupation Certificate ☒ Final Occupation Certificate

Section E IMPORTANT ITEMS TO ACCOMPANY THIS APPLICATION

This information will vary for each application, please supply all relevant documentation. Tick or indicate not applicable in the check boxes below. Documents accompanying this application are as prescribed by the Environmental Planning & Assessment Act, 1979, as amended, and the Environmental Planning & Assessment Regulation 2000, as amended.

1. A copy of the relevant Development Consent or Complying Development Certificate ☒
2. A copy of the relevant Construction Certificate (if applicable) ☐
3. A copy of the relevant Fire Safety Certificate (if applicable) ☒
4. A copy of any relevant Part 4A Compliance Certificate (if applicable) ☒

Section F Applicants' consent

- I/we consent to the making of this application.

Name(s): *Prouds Jewellers*

Signature of applicant(s):



Date: *27-4-2016*

PLEASE SIGN HERE

Office Use Only

To be completed by the certifying authority immediately after receiving the application.

Application No.:	<i>16000123</i>	Date Received:	04 May 2016
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Tax Invoice

Official Receipt

ABN: 61340837871

6/05/2016

Receipt No:

394675

To: HEATH McNAB
MB CERTIFICATIONS
SUITE 112-114, 117 OLD
PITTWATER RD
BROOKVALE NSW 2100

Applic	Reference	Amount
GL Receipt		
PRVC-Priv Issd Certi		\$36.00
1 X OCC CERT SHOP 25, 12 JACKSONS RD		
CCGST-CCard +GST		\$0.36
1		
Transaction Total:		\$36.36
Includes GST of:		\$0.00

Amounts Tendered

Cash	\$0.00
Cheque	\$0.00
Db/Cr Card	\$36.36
Money Order	\$0.00
Agency	\$0.00
Total	\$36.36
Rounding	\$0.00
Change	\$0.00
Nett	\$36.36

Printed 6/05/2016 11:39:36AM

Issued under Environmental Planning & Assessment Act 1979 – Part 4A Division 1

Environmental Planning & Assessment Regulation 2000 – Part 8 Division 3

Certificate Number: 16000091 / 3

Section A The Application

1. Details of the Applicant

Name: Prouds Jewellers
Address: Barrett ShopFitting, Unit 12, 55-61 Pine Road Yennora 2161
Phone: 0419 356 106
Email: cliveb@shopfit.com.au
Job Reference no. 16000123

2. Details of the property

Unit / Street Number: Shop 25 - Prouds Jewellers, 12
Street Name: Jackson Road
Suburb & Postcode: Warriewood 2102
Title Particulars (Lot & DP/SP): 22 DP 1159968

3. Description of the Approved Development

Internal fitout to existing retail tenancy..

4. Description of the Development Subject of this Certificate

Internal fitout to existing retail tenancy..

5. Class of building

Classification of the building/s under the Building Code of Australia

6

6. Date of the application

Date Application was received: 05 May 2016

Section B The Approval

1. Development Consent Details

DA / CDC Reference number: 16000091/1
Date of issue: 07 Apr 2016

2. Construction Certificate Details (if applicable)

CC Reference number: 16000091 / 3
Accredited Certifier: Eric Bailey
Date of issue: 05 May 2016

Section C Principal Certifying Authority

Name: Eric Bailey Accreditation No.: BPB0016
Phone: 9939 1530
Address: Suite 114 / 117 Old Pittwater Road, Brookvale NSW 2100

Section D Attachments

Refer to Appendix A for the Attachments for this Occupation Certificate

Section E Fire Safety Schedule

Refer to Appendix B for the Fire Safety Schedule for this Complying Development Certificate

Section F Certification

I certify that

- I have been appointed as the Principal Certifying Authority under Section 109E of the Environmental Planning and Assessment Act 1979
- a current development consent is in force for the building.
- a current Construction Certificate, if so required, has been issued with a respect to the plans and specifications for the building works that has been carried out.
- the building is suitable for occupation or use in accordance with its classification under the Building Code of Australia

Section G Signature

Signed:



Date of endorsement:

05 May 2016

Certificate Number:

16000091 / 3

Section H Dates

Date of this Certificate:

05 May 2016

APPENDIX A

Attachments

- Fire Test Report; P0002573 - prepared by APL, dated 14 Feb 2007
- Installation Certificate - Electrical - prepared by Anthony Elavo, dated 25 April 2016
- OC Application Form - 04 May 2016
- See information relied upon for issuance of Interim Occupation Certificate: 16000091/2, issued 28 April 2016

APPENDIX B

Fire Safety Schedule

(Pursuant to Clause 168 of the Environmental Planning and Assessment Regulation 2000)

No changes - See information relied upon for issuance of Interim Occupation Certificate: 16000091/2, issued 28 April 2016

Att Mr Roy Blood
m/s Ontera Modular Carpets Pty. Ltd,
171 Briens Rd,
N.S.W. 2145

TEST REPORT No. 0071046

LABORATORY REF: P071046

CUSTOMER REFERENCE
24 OZ ENVISIONS

Sample description as provided by customer

Mass/unit area **24 oz/yd²** g/m² Pile Fibre Content **100% NYLON 6.6**

Construction Details **Tufted** Secondary Backing **Polymer Backing**

Style **CUT PILE**

Order No. **P0002573**

Colour **Blue**

Pile Height / mm

The samples tested were **MODULAR CARPET**

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Jan 2007**

Test Date **14/2/2007**

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate using a WATER BASED PRESSURE SENSATIVE ADHESIVE

Substrate : Non-combustible

Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux **7.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **7.8 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	7.4	6.1	8.0	7.2
Smoke Development Rate (%.min)	446	433	409	429

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
The Critical Radiant Flux quoted is the value at Flame-Out.

MEAN CRITICAL RADIANT FLUX 7.2 kW/m²
MEAN SMOKE DEVELOPMENT RATE 429 %.min

OBSERVATIONS **The samples shrunk away from the heat source then ignited**



Authorised Signatory **M. B. Webb**
Date **14/2/2007**



NATA Reg. No. 15393
Heat and temperature measurement.

ACCREDITED FOR
**TECHNICAL
COMPETENCE**

PAGE 1 of 2

Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

1001 01 06

Pyrometer temperature
On calibration 535.9 °C
Start of test run 538.2
End of test run 536.6

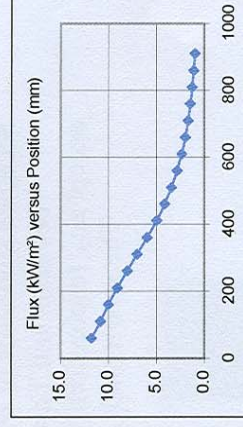
Chamber temperature
On calibration 96.6 °C
Start of test run 93.5
End of test run 94.2

Clause 7.2.2 AS/ISO 9239 The pyrometer should be $\pm 5^\circ$ of calibration temperature.
The Chamber temperature should be $\pm 10^\circ$ of calibration temperature
The Holding Tension on Specimen Frame was 1 Nm

TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	149	159	266	392	538	717	/	/	/	/	/	/	/	/	/	/	/	/
2	169	171	278	336	454	764	981	/	/	/	/	/	/	/	/	/	/	/
3	148	156	252	342	562	/	/	/	/	/	/	/	/	/	/	/	/	/

FLUX CALIBRATION: FLX070001



TESTS

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Width	77	402	270	753	(n/a)
Specimen Tests: Length					
1	76	446	290	1,017	(n/a)
2	72	433	350	1,129	(n/a)
3	79	409	260	944	(n/a)
Mean	76	429	300	1,030	



ACCREDITED FOR
TECHNICAL
COMPETENCE

NATA Reg. No. 15393
Heat and temperature measurement.

Authorised Signatory
M B Webb
Date 14/2/2007

PAGE 2 of 2

The laboratory does not allow the use of this page of the report without the use of page 1.
This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

2001 01 06 6834 07020038-0037-0039-0040