

M K E N Z I E
GROUP CONSULTING

TRANSMITTAL FORM

To:	Manly Council	Project No:	03065
Address:	PO Box 82, Manly NSW 2095		
Attention:	Customer Service	Date:	22 June 2009
Project:	31 The Corso, Manly		
From:	Paul Schenko		
Method of Delivery:			
<input type="checkbox"/> Mail	<input type="checkbox"/> Courier	<input type="checkbox"/> By Hand	<input type="checkbox"/> Collected <input checked="" type="checkbox"/> DX
Subject:	Occupation Certificate No. 098/2024-2		

Dear Sir or Madam:

Please find enclosed one (1) copy of the Occupation Certificate No. 098/2024-2 and it's attachment in accordance with Clause 151 (2) of the Environmental Planning & Assessment Regulation 2000, issued for the above project together with a cheque of \$30.00 being the lodgement fee.

Attachments

1. Final fire safety Certificate.
2. A schedule of fire safety measures.
3. Mandatory Critical Stage Inspection Summary Report (CSI).
4. Letter of confirmation with regards to no penetrations occurred in fire rated elements prepared by GMP Constructions Pty Ltd, dated 19 June 2009.
5. Letter of Confirmation with regards to Glazed Assemblies prepared by GMP Constructions Pty Ltd, dated 19 June 2009.
6. Letter of Confirmation with regards to Automatic Entry / Exit Doors & Operating System prepared by GMP Constructions Pty Ltd, dated 19 June 2009.
7. Final Fire Safety Certificate in accordance with Automatic Sprinkler System & Occupant Warning System, Portable Fire Extinguishers & Fire Blankets & Required (Automatic) Exit Doors prepared by Guardian Protection Services, dated 18 June 2009.
8. Test Report No. 7-527638-AN, prepared by AWTA Textile Testing dated 18 May 2004.
9. Test Report No. 7-549269-AN prepared by AWTA Textile Testing, dated 22 November 2006.
10. Flooring Test Report No. SY1016-2 prepared by Industrial Research Services, dated 5 August 2009.

BUILDING REGULATIONS CONSULTANTS

Level 6 / 189 Kent Street Sydney New South Wales 2000
Telephone 02 8298 6800 Facsimile 02 8298 6899 email@mckenzie-group.com.au
www.mckenzie-group.com.au

Offices in Melbourne and Brisbane



\$ 30.00
R/p 620205
25/6/09

11. Reaction to Fire Tests for Flooring prepared by SP Swedish National Testing & Research Institute, dated 17 October 2005.
12. Final Fire Safety Certificate in accordance with Automatic Sprinkler System & Occupant Warning System, Hose Reel System, Portable Fire Extinguishers & Fire Blankets & Required (Automatic Exit Doors prepared by Guardian Protection Services, dated 22 June 2009.
13. Email Correspondence with regards to no penetrations were made in the Fire Rated Elements prepared by Jonathan Mills, dated 22 June 2009.
14. Installation Certificate in accordance with Ventilation prepared by Airtech Air Conditioning Pty Ltd, dated 4 June 2009.
15. Installation Certificate in accordance with Energy Efficiency prepared by Airtech Air Conditioning Pty Ltd, dated 4 June 2009.
16. Letter with regards to Structural Inspection Certificate prepared by GW Engineers, dated 5 June 2009.
17. Site Inspection - Inspection & Test Plan prepared by GW Engineers.
18. Letter of Confirmation with regards to Sanitary Plumbing & Water Supply prepared by JRK, dated 4 June 2009.
19. Letter with regards to Waterproofing Certificate prepared by GMP Constructions Pty Ltd, dated 4 June 2009.
20. Letter with regards to newly built & installed walls & ceilings & floor linings prepared by GMP Constructions Pty Ltd, dated 4 June 2009.
21. Letter with regards to Building Compliance Certificate prepared by Constructions Pty Ltd, dated 4 June 2009.
22. Letter with regards to Electrical Installation prepared by R & B Electrical Services Pty Ltd, dated 5 March 2009.
23. Final Fire Safety Certificate in accordance with Emergency Lighting & Exit Signs prepared by R & B Electrical Services, dated 30 March 2009.
24. Email Correspondence with regards to satisfying DA Condition ANS01 prepared by David Stray, dated 16 June 2009.
25. Final Fire Safety Certificate prepared by Jonathan Mills, dated 17 June 2009.

Please provide a receipt upon completion of payment process and **note our reference**.

If you require further information please contact me on (02) 8298 6800.

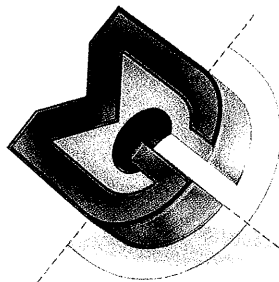
Regards,

T. Williams

Per
Paul Schenko
Senior Building Surveyor
McKenzie Group Consulting (NSW) Pty Ltd
ACN 093 211 995

Copy To:	Attention:	Address:
Bovis Lend Lease	Jonny Mills	Locked Bag 1 MILLERS POINT NSW 2000





M c K E N Z I E
GROUP CONSULTING

OCCUPATION CERTIFICATE No. 09/2024-2

issued under the Environmental Planning and Assessment Act 1979 Sections 109C (1) (c) and 109H

Owner

Name: London Fashion Pty Ltd
Address: 801/46-56 Kippax Street, Surry Hills

Property Details

Address: 31 The Corso, Manly
Municipality: Manly Council

Building Details

Use: Bank
BCA classification: 5

Development Consent

Certificate no.: 250/08
Date of Determination: 8 October 2008

Construction Certificate

Certificate no.: 08/2024-1
Date of Determination: 18 December 2008

Determination

Type of Certificate: Final
Approved/Refused: Approved
Date of Determination: 22 June 2009

Attachments

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25. Final Fire Safety Certificate prepared by Jonathan Mills, dated 17 June 2009.

Certificate Final / Principal Certifying Authority

I, Paul Schenko certify that;

- I have been appointed as the principal certifying authority under s 109E.
- A current Development Consent is in force with respect to the building.
- If any building work has been carried out, a current Construction 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 final fire safety certificate has been issued for the building.
- Where required, a report from the Commissioner of Fire Brigades has been considered.

Signature



Paul Schenko
Accredited Certifier Grade 1
BPB Registration No. 0365
McKenzie Group Consulting (NSW) Pty Ltd
ACN 093 211 995

Date of determination

22 June 2009

Certificate Number

09/2024-2



ATTACHMENT 1
Existing Fire Safety Schedule
(Pursuant to Clause 168 of the Environmental Planning and Assessment Regulation 2000)

	Items to be inspected or tested as nominated by the relevant authority	Deemed to satisfy installation standard/code/conditions of approval
1.	Automatic Sprinkler Systems & Occupant Warning System	AS2118— 1982 & Clause 8 of BCA Spec E1 .5
2.	Emergency Lighting	BCA E4.2, E4.4 & AS2293.1 — 1987
3.	Exit Signs (Illuminated)	BCA E4.5, E4.6, E4.8 & AS2293.1 —1987
4.	Fire Dampers	Standard of performance to be obtained from Building Management
5.	Fire Doors	BCA C3.8 & AS1905.1 — 1982
6.	Passive Fire Systems (Fire Seals, etc)	Standard of performance to be obtained from Building Management
7.	Hose Reel System	BCA E1.4 & AS2441 — 1988
8.	A/C Trip	Standard of performance to be obtained from Building Management
9.	Portable Fire Extinguishers & Fire Blankets	BCA E1.6 &AS2444— 1995
10.	Warning and Operational Signs (lifts, exit doors)	Standard of performance to be obtained from Building Management
11.	Required (Automatic) Exit Doors	BCA D2.19, D2.21 & AS4085 —1992
12.	Fire Alarm Communication Link	AS1670.3 — 1997 & AS 4428.6 - 1997

ATTACHMENT 1
Proposed Fire Safety Schedule
(Pursuant to Clause 168 of the Environmental Planning and Assessment Regulation 2000)

	Items to be inspected or tested as nominated by the relevant authority	Deemed to satisfy installation standard/code/conditions of approval
13.	Automatic Sprinkler Systems & Occupant Warning System	AS2118— 1982 & Clause 8 of BCA Spec E1 .5
14.	Emergency Lighting	BCA E4.2, E4.4 & AS2293.1 — 1987
15.	Exit Signs (Illuminated)	BCA E4.5, E4.6, E4.8 & AS2293.1 —1987
16.	Hose Reel System	BCA E1.4 & AS2441 — 1988
17.	Portable Fire Extinguishers & Fire Blankets	BCA E1.6 &AS2444— 1995
18.	Paths of Travel	EP\$A Reg 2000 Clause 186
19.	Required (Automatic) Exit Doors	BCA D2.19, D2.21 & AS4085 —1992





APPLICATION FORM /

Environmental Planning and Assessment Act 1979 Sections 81A(b1)(l), 81A (2), 81A (4), 86(1), 86(2) and 109C (1) (b)

I/We the undersigned hereby make application to McKenzie Group Consulting (NSW) Pty Ltd for:

- ☐ Construction Certificate
☐ Complying Development Certificate
☒ Occupation Certificate:

_____ from McKenzie Group Consulting (NSW) Pty Ltd as the Principal Certifying Authority for the project.

Applicant (Applicant must be the person/business having the benefit of the development consent or be the owner of the property)	Name: <u>Jonathan Miles (Bovis lease)</u> Address: <u>Level 3, 30 Macker Rd</u> <u>Muller Point NSW</u> Tel: <u>92772892</u> Fax: <u>9383 8142</u>
Owner of building (if not Applicant)	Name: <u>London Fashion P/L</u> Address: <u>801/46-56 Kippax Street</u> <u>Sunny Hills</u> Tel: <u>9212 7740</u> Fax: _____
Consent of all owner(s) (Signatures)	I/We consent to this application <u>See attached letter</u>
Subject land	Address: <u>31 The Corso Manly</u> Lot/Portion: _____ Section: _____ DP No.: _____ Municipality: <u>Manly Council</u>
Description of development <input checked="" type="checkbox"/> Building work	Description: <u>Alterations to the existing commonwealth Bank premises including an ATM foyer & external access for foreign exchange office</u>

BUILDING REGULATIONS CONSULTANTS

McKenzie Group Consulting (NSW) Pty Ltd - ACN 093 211 995

Suite 601, Level 6 / 189 Kent Street Sydney New South Wales 2000

Telephone 02 8298 6800 Facsimile 02 8298 6899 www.mckenzie-group.com.au

Building Code of Australia building classification As nominated on the development consent	Part: _____ Use: <u>Bank</u> BCA Class: <u>5</u>
Development Consent	Consent No: <u>250/08</u> Date of determination: <u>8/10/08</u>
Construction Certificate/ Complying Development Certificate	Certificate No: <u>08/2024-1</u> Date of determination: <u>13/12/08</u>
Principal Certifying Authority	Name: I, <u>Pam Schenker</u> of McKenzie Group Consulting (NSW) Pty Ltd - ACN 093 211 995, consent to being appointed as the Principal Certifying Authority. Address: Level 6, 189 Kent Street, Sydney NSW 2000 Tel: 02 8298 6800 Signed: <u>[Signature]</u> Accredited Certifier Grade BPB Registration No. <u>0365</u>
Value of work (building)	\$: <u>1,350,000</u>
Date work is to commence	Date: <u>20/12/08</u>
Date of receipt (to be completed by certifying authority)	Date: <u>13/12/08</u>
Builder/owner builder (if known -to be completed in the case of proposed residential building work)	Name: _____ Address: _____ License No/Permit No: _____
Compliance with Development Consent or Complying Development Certificate	Have all conditions required to be satisfied prior to the commencement of work been satisfied? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (conditions may include payment of security, s 94 contributions, endorsement of building work plans by water supply authority, etc)
Home Building Act 1989 Requirements (see note 1)	Principal Certifying Authority has been advised of the requirements of CI 78C of the Regulation? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Schedule	The attached schedule is required to be completed for the purposes of providing information to the Australian Bureau of Statistics.
Right of appeal	Under s 109K where the certifying authority is a council an applicant may appeal to the Land and Environment Court against the refusal to issue a Construction Certificate within 12 months from the date of the decision.

Signature of Applicant

Name of Applicant

NB: "Applicant must be the person/business having the benefit of the development consent".

Final / Interim Fire Safety Certificate

Environmental Planning & Assessment Regulation 2000 – Part 8, Division 3

Type of Certificate

Type of certificate issued

☐ Interim

☒ Final

Details of Certificate

Name of Owner/Agent

I, Jonathan Miles

Address

of 31

certify that:

(a) each of the essential fire measures listed below:

- has been assessed by a person (chosen by me) who was properly qualified to do so; and
- was found, when it was assessed to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule (copy attached) for the building for which the certificate is issued.

(b) the information contained in this certificate is, to the best of my knowledge and belief, true and accurate.

Identification of the Building

Street The Corso, Manly

Side of street

Nearest cross street

House/Unit number

31

Description of the building
(whole or part)

Bank

Date of Assessment

Date of assessment

17/6/09

Essential Fire Safety Measures

	Items to be inspected or tested as nominated by the relevant authority	Deemed to satisfy installation standard/code/conditions of approval
1.	Automatic Sprinkler Systems & Occupant Warning System	AS2118— 1982 & Clause 8 of BCA Spec E1 .5
2.	Emergency Lighting	BCA E4.2, E4.4 & AS2293.1 — 1987
3.	Exit Signs (Illuminated)	BCA E4.5, E4.6, E4.8 & AS2293.1 —1987
4.	Hose Reel System	BCA E1.4 & AS2441 — 1988
5.	Paths of Travel	EP&A Reg 2000 Clause 186
6.	Portable Fire Extinguishers & Fire Blankets	BCA E1.6 & AS2444— 1995
7.	Required (Automatic) Exit Doors	BCA D2.19, D2.21 & AS4085 —1992

Date of Certificate

Date of this certificate

17/6/09

Signature

Agent / Owner's Signature

Capacity

Project Manager

- A copy of this certificate together with the relevant fire safety schedule must be forwarded to the Council and the Commissioner of the New South Wales Fire Brigades.
- A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.
- A Fire Safety Certificate is a certificate issued by or on behalf of the owner of the building.

MANDATORY CRITICAL STAGE INSPECTION SUMMARY REPORT (CSI)

Type of Critical Stage Inspection		Please indicate date of inspection carried out for this project	
		Date	Name & Accreditation No.
<input checked="" type="checkbox"/>	At the commencement of building work	20/12/08	Paul Schender BPB0365
<input type="checkbox"/>	After excavation for, and prior to the placement of any footings		
<input type="checkbox"/>	Prior to pouring any in-situ reinforce concrete building element		
<input type="checkbox"/>	Prior to covering of the framework for any floor, wall, roof or other building element		
<input type="checkbox"/>	Prior to covering waterproofing in any wet areas (only 10% for Class 2, 3 & 4 buildings)		
<input type="checkbox"/>	Prior to covering any stormwater drainage connections		
<input type="checkbox"/>	After the construction of the S/pool is completed, the barrier has been erected & before the pool is filled with water.		
<input checked="" type="checkbox"/>	After the building work has been completed and prior to any occupation certificates being issued in relation to the building	16/3/09	Paul Schender BPB0365
Site Details			
Address:		31 The Corso Manly	
DA No.:	250/08	CC No.:	08/2024-1
		CDC No.:	
Record of Inspection			
Inspection by other Accredited Certifier: (if not PCA)	Name of Accredited Certifier:		
	Accreditation No.:		
	Has Report by Accredited Certifier been attached? (Yes / No)		
Was work carried out satisfactorily?	(Yes / No)		
Notes:			
Missed Inspection			
Was Inspection missed due to "unavoidable circumstances"?	(Yes) (No)	If yes, what are the unavoidable circumstances?	
Principal Contractor	Name:		
	Address:		
	Tel:		
Was the work carried out satisfactorily?	(Yes / No)		
Evidence of compliance received:			
Notes:			

Name of PCA: Paul Schender

Signature of PCA: PSL

Date: 16/3/09

Accreditation Body: BPB0365
BN.



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
Wetherill Park NSW 2164
PO Box 230W
Fairfield West NSW 2165

t 9604 8400

f 9604 5988

www.gmpconstructions.com.au

Bovis Lend Lease
Level 4, 30 Hickson Road,
Millers Point NSW 2000

19th June, 2009

Attn: Jonathan Mills

RE: Commonwealth Bank Manly NSW

To Whom It May Concern:

We, GMP Constructions Pty Ltd confirm that we are the builder contracted by Bovis Lend Lease for the internal refurbishment works of the Commonwealth Bank Manly NSW.

We can confirm that no penetrations occurred in fire rated elements as part of the works.

We trust that our certificate meets with your approval, please feel free to contact me on 0411 808 458 should you require and additional assistance.

Regards,

A handwritten signature in black ink, appearing to read 'Zac Petkovic', is written over a horizontal line.

Zac Petkovic
GMP Constructions Pty Ltd



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
Wetherill Park NSW 2164
PO Box 230W
Fairfield West NSW 2165

t 9604 8400

f 9604 5988

www.gmpconstructions.com.au

Bovis Lend Lease
Level 4, 30 Hickson Road,
Millers Point NSW 2000

19th June, 2009

Attn: Jonathan Mills

RE: Glazing Certificate Commonwealth Bank Manly NSW

To Whom It May Concern:

We, GMP Constructions Pty Ltd confirm that we are the installer aluminium partition frames and glass installation.

We can confirm that the glazed assemblies are in accordance with AS2047 & AS1288.

We trust that our certificate meets with your approval, please feel free to contact me on 0411 808 458 should you require and additional assistance.

Regards,

Zac Petkovic
GMP Constructions Pty Ltd



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
Wetherill Park NSW 2164
PO Box 230W
Fairfield West NSW 2165

t 9604 8400

f 9604 5988

www.gmpconstructions.com.au

Bovis Lend Lease
Level 4, 30 Hickson Road,
Millers Point NSW 2000

19th June, 2009

Attn: Jonathan Mills

RE: Automatic Exit Doors CBA Manly, The Corso Manly NSW

To Whom It May Concern:

We, GMP Constructions Pty Ltd confirm that we are the installer of the automatic entry / exit doors and operating system.

We can confirm that the automatic exit doors installed at Commonwealth Bank Manly NSW comply with the **BCA clause D2.19, D2.21 & AS4085 - 1992.**

We trust that our certificate meets with your approval, please feel free to contact me on 0411 808 458 should you require and additional assistance.

Regards,

Zac Petkovic
GMP Constructions Pty Ltd

Final / Interim Fire Safety Certificate

Environmental Planning & Assessment Regulation 2000 – Part 8, Division 3

Type of Certificate

Type of certificate issued

☐ Interim

☒ Final

Details of Certificate

Name of Owner/Agent I, Anthony Scognamiglio

Address of Guardian Protection Services

certify that:

(a) each of the essential fire measures listed below:

- has been assessed by a person (chosen by me) who was properly qualified to do so; and
- was found, when it was assessed to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule (copy attached) for the building for which the certificate is issued.

(b) the information contained in this certificate is, to the best of my knowledge and belief, true and accurate.

Identification of the Building

Street The Corso, Manly

Side of street

Nearest cross street

House/Unit number 31

Description of the building
(whole or part)

Part the Bank only

Date of Assessment

Date of assessment 18/6/09

Essential Fire Safety Measures

	Items to be inspected or tested as nominated by the relevant authority	Deemed to satisfy installation standard/code/conditions of approval
1.	Automatic Sprinkler Systems & Occupant Warning System	AS2118— 1982 & Clause 8 of BCA Spec E1 .5
2.	Portable Fire Extinguishers & Fire Blankets	BCA E1.6 & AS2444— 1995
3.	Required (Automatic) Exit Doors	BCA D2.19, D2.21 & AS4085 —1992

Date of Certificate

Date of this certificate 18/9/09

Signature

Agent / Owner's Signature

Capacity

- A copy of this certificate together with the relevant fire safety schedule must be forwarded to the Council and the Commissioner of the New South Wales Fire Brigades.
- A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.
- A Fire Safety Certificate is a certificate issued by or on behalf of the owner of the building.

AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Textile Testing
A.B.N. 43 006 014 106

26 Robertson Street, Kensington, Victoria 3031
P.O. Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2126 Fax (03) 9371 2102

TEST REPORT

CLIENT : ONTERA MODULAR CARPETS PTY LTD
171 BRIENS ROAD
NORTHMEAD NSW 2152

TEST NUMBER : 7-527638-AN
DATE : 18/05/2004
ORDER NUMBER : 27788

SAMPLE DESCRIPTION Clients Ref: Colourweave
BCF nylon loop pile carpet tile
Colour: Black/Grey
Approximate Pile Height: 3.5mm

Material Specification:
Nominal Composition: 100% nylon
Nominal Total Mass: 745g/m²
Nominal Backing: polymer/fibreglass backing

ASISO 9239.1-2003
Part 1

Reaction to Fire Tests for Floorings
Determination of the Burning Behaviour
using a Radiant Heat Source

Date of sample arrival: 03/05/2004
Date tested: 11/05/2004
Results:

	1	2	3	Mean	
Length	3.8	4.1	3.8	3.9	kW/m ²
Width	3.8				kW/m ²

	1	2	3	Mean	
Length	805	672	729	735	% min
Width	714				% min

Observation: Transitory flaming
Melting
Blistering

Note: sample was conditioned in accordance with BS EN 13235-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

Each specimen was adhered to a substrate of 6mm Thick Fibre Reinforced cement board using Roberts 656 Adhesive and clamped prior to testing

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

134891 2

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This laboratory is accredited by the National Association of Testing Authorities, Australia for:
- Chemical Testing of Textiles & Related Products
- Mechanical Testing of Textiles & Related Products
- Heat & Temperature Measurement

Accreditation No. 082
Accreditation No. 085
Accreditation No. 1185

The test results herein have been performed in accordance with the terms of accreditation. Samples, and their identifying descriptors have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be returned void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Textile 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 : INTERFACE AUSTRALIA PTY LTD
4 HENRY STREET
PICTON NSW 2571

TEST NUMBER : 7-549269-AN
DATE : 22/11/2006
ORDER NUMBER : 17750

SAMPLE DESCRIPTION Clients Ref: "Equilibrium"
Textured carpet tile
Colour: light/dark brown
Approx pile height: 5/3mm

Material Specification:
Nominal composition: 100% solution dyed nylon
Nominal total product mass: 5454g/m²
Nominal backing: Glasbac

ASISO 9239.1-2003
Part 1

Reaction to Fire Tests for Floorings
Determination of the Burning Behaviour
using a Radiant Heat Source

Date of sample arrival: 01/11/2006

Date tested: 20/11/2006

Results:

CHF (Critical Heat Flux / Critical Radiant Flux)

	1	2	3	Mean	
Length	10.1	10.1	9.9	10.0	kW/m ²
Width	10.1	-	-	-	kW/m ²

Smoke Value

Length	117	137	138	131	% min
Width	124	-	-	-	% min

Observations: melting, blistering, penetration of flame through to substrate

Note: Sample was conditioned in accordance with BSEN 13238-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

Each specimen was adhered to a substrate of 6mm thick fibre reinforced cement board using Roberts 656 adhesive and clamped prior to testing

157054

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(CONTINUED NEXT PAGE)

PAGE 1

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This Laboratory is accredited by the National Association of Testing Authorities, Australia, for:
- Chemical Testing of Textiles & Related Products : Accreditation No. 983
- Mechanical Testing of Textiles & Related Products : Accreditation No. 985
- Heat & Temperature Measurement : Accreditation No. 1356

The tests reported herein have been performed in accordance with its terms of accreditation. Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Textile Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved in advance by the Managing Director of AWTA Ltd.



Handwritten signature

APPROVED SIGNATORY

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

AWTA TEXTILE TESTING

Australian Wool Testing Authority Ltd – trading as AWTA Textile 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 : INTERFACE AUSTRALIA PTY LTD
4 HENRY STREET
PICTON NSW 2571

TEST NUMBER : 7-549269-AN
DATE : 22/11/2006
ORDER NUMBER : 17750

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.

157054

PAGE 2

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Michael A. Jackson
APPROVED SIGNATORY

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



Industrial Research Services

Manuf. & Infrastr. Technology, 14 Julius Ave (Riverside Corp. Park), North Ryde, NSW, 2113, Australia
Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 Email: tiles@csiro.au Web: <http://www.cmit.csiro.au>

Registered Testing Authority - Building Code of Australia

5 August 2005

Our Ref. ES13 / 640 03/0212

TEST REPORT No. SY1016-2

Requested by: Forbo Floorcoverings Pty Ltd
on (date): 28 July 2005
Manufacturer: Forbo Floorcoverings Pty Ltd
Product Desc.: One Step 8458
Resilient sheet flooring material
Sampling details:
Where: Delivered
Date: 1 August 2005
By whom: Courier
How (methods): N/A

The results reported relate only to the sample(s) tested and the information received. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 6 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials		
	Appendix A: WET Pendulum (Four S). Mean BPN:	44	X
	Appendix B: DRY (FFT). Mean COF:	0.85	F
	Appendix A,B: Dual classification:		XF
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials		
	Appendix C: WET/BAREFOOT Ramp		
	Mean angle of inclination:	13°	A
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials,		
	Appendix D: OIL-WET Ramp [Equiv. to DIN 51130 Rev92]		
	Mean overall acceptance angle:	15.4°	R 10

In order to interpret the classifications, please refer to Standards Australia Handbook 197, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.



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REPORT NO: SY1016-2
ISSUE DATE: 5 August 2005
MANUFACTURER: Forbo Floorcoverings Pty Ltd
PRODUCT DESC: One Step 8458
Resilient sheet flooring material

Page 2 of 6

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH

S/NZS 4586:2004 (Appendix A)

Test Date: 5 August 2005

RESULTS:	Location:	North Ryde Slip Resistance Laboratory	Rubber slider used: Four S
	Sample:	Unfixed	Conditioned with grade P400 paper, dry
	Cleaning:	Distilled water	
	Temperature:	23°C	

Pendulum Friction Tester: Stanley - Munro London (S/N: 0312, calibrated 03/02/05)

Test conducted by: Carl Strautins

	Specimen				
	1	2	3	4	5
Last 3 swings	44	44	43	46	44
	42	44	43	44	44
	42	44	44	45	45
Averages	43	44	43	45	44

Mean BPN : 44

CLASS :

X

Where products are to be used in wet barefoot areas, it is more appropriate to test to Appendix C of AS/NZS 4586 (which is technically equivalent to DIN 51097).



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PRODUCT DESC: One Step 8458
Resilient sheet flooring material

Page 3 of 6

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

DRY FLOOR FRICTION TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:2004 (Appendix B)

Test Date: 4 August 2005

RESULTS Location: North Ryde Slip Resistance Laboratory Rubber Type: Four S
Sample Sample Unfixed Conditioned with grade P400 paper, dry
Cleaning: Distilled water
Temperature: 23°C
FFT measurements taken over 2 passes of 800mm each

Floor Friction Tester: Tortus Mk II (S/N: 244)
Test conducted by: Carl Strautins

Run 1: Average COF: 0.83

Run 2: Average COF: 0.84

Mean COF: 0.84

According to AS/NZS 4586 the Dry Coefficient of Friction shall be reported as :
(mean rounded to the nearest 0.05)

0.85

CLASS :

F



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REPORT NO: SY1016-2
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Page 4 of 6

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET/BAREFOOT RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586:2004 (Appendix C)

Test Date: 4 August 2005

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: mm

Surface structure: ☒ Smooth
☐ Profiled
☐ Structured

RESULTS

		Actual mean	Reported mean
Mean angle of inclination:	Calibration Board A:	12.50 °	12 °
	Calibration Board B:	18.03 °	18 °
	Calibration Board C:	24.88 °	25 °
Mean angle of inclination of Test Board:		12.56 °	13 °

CLASSIFICATION:

Quality Group:

A



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REPORT NO: SY1016-2
ISSUE DATE: 5 August 2005
MANUFACTURER: Forbo Floorcoverings Pty Ltd
PRODUCT DESC: One Step 8458
Resilient sheet flooring material

Page 5 of 6

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
S/NZS 4586:2004 (Appendix D) [Equiv. to DIN 51130 Rev92]

Test Date: 4 August 2005

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: mm

Surface structure: ☒ Smooth
☐ Profiled
☐ Structured

RESULTS

Mean overall acceptance angle: 15.4 °

Displacement space: not tested

CLASSIFICATION:

Slip Resistance Assessment Group:

R 10

Displacement Space Assessment Group:

-



Industrial Research Services

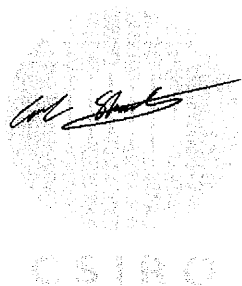
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Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555 Email: tiles@csiro.au Web: <http://www.cmit.csiro.au>

REPORT NO: 1016-2
ISSUE DATE: 5 August 2005
MANUFACTURER: Forbo Floorcoverings Pty Ltd
TILE DESC: One Step 8458
Resilient sheet flooring material

Page 6 of 6

Date and Place 5 August 2005, North Ryde, NSW

Name, Title and Digital Signature:



CARL STRAUTINS
Technical Officer

Tel: 61 2 94905407
Fax: 61 2 94905777
Email: Carl.Strautins@csiro.au

Consulting services are available if further detailed analysis of the test results are required.

PR:S050805-17:12:33



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REPORT NO: 1016-2
ISSUE DATE: 5 August 2005
MANUFACTURER: Forbo Floorcoverings Pty Ltd
PRODUCT DESC: One Step 8458
Resilient sheet flooring material

Addendum

DETERMINATION OF Rz SURFACE ROUGHNESS

(Using a Taylor-Hobson Surtronic 10 Rz roughness meter using a 0.8mm cut off length)

Test Date: 5 August 2005

RESULTS

Location: Slip Resistance Laboratory

Rz values

1	20.4
2	21.8
3	15.1
4	18.4
5	25.8
6	20.3
7	17.4
8	22.8
9	21.2
10	20.7

Surface Roughness (Rz) mean = 20.4 microns

BS 7976:2002, Pendulum Testers, requires a different test foot preparation (lapping paper) for pedestrian surfaces that have a Rz roughness of less than 15 microns. This lapping paper tends to reduce the pendulum result, sometimes appreciably. CSIRO recommends the use of this procedure (CSIRO COF1) as an adjunct to AS/NZS 4586. It helps to discriminate among products that have marginal wet slip resistance and to identify those that may be dangerous if wet.

The measurement of the various aspects of surface roughness is complex given the number of potential roughness parameters. While there is still some uncertainty as to exactly what type of roughness needs to be measured, peak-to-trough roughness (Rz) gives a useful guide to the likely slip resistance in wet conditions. Research has suggested that hard floors need to have a slightly higher Rz roughness than polymeric floors for the same degree of safety in wet conditions, but whatever flooring material is used an Rz roughness value of at least 10 microns is required where wet slip resistance may be required. In circumstances where wetness is normal or expected, this figure should be increased by a factor of 2 or more.

Greater peak surface roughnesses are likely to be required where floors slope or where the floor is likely to become contaminated with high viscosity liquids.

Handled by, department
Marina C Andersson
Fire Technology+46 33 16 52 92,
marina.andersson@sp.se

Forbo Project Vinyl AB
Box 172
401 22 GÖTEBORG

Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source - EN ISO 9239-1 and ignitability according to EN ISO 11925-2 (5 appendices)

Products

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The products have a nominal thickness of 2.0 mm. Products tested are listed below including product name, wear layer thickness and area weight of each product.

Product name	Dessin / Production batch	Production date	Nominal thickness of wear layer (mm)	Nominal area weight (kg/m ²)
Safestep	8214 / 5668-246	2005-06-29	0.7	2.8
Safestep R12	8594 / 5645-336	2005-06-21	0.7	2.8
Safestep Grip	8314 / 5650-011	2005-06-22	0.7	2.8
Onestep	8491 / 5634-354	2005-06-17	0.45	2.9
Aqualon Relief*	24392 / 7315-012	2005-04-20	0.7	2.8

*Floor coverings for wet room areas without glass fibre reinforcement.

Manufacturer

Forbo Project Vinyl AB, Göteborg, Sweden.

Purpose of test

Basis for technical fire classification.

Sampling

The samples were selected at the factory in Göteborg by an official from SP.

The samples were received July 7, 2005 at SP Fire Technology.

SP Swedish National Testing and Research Institute

Postal address
SP
Box 857
SE-501 15 Borås
SWEDEN

Office location
Västeråsen
Brinellgatan 4
Borås

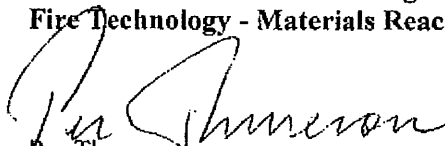

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**Test results**

The test results are given in appendix 2 – 5 .

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.

**SP Swedish National Testing and Research Institute
Fire Technology - Materials Reaction to Fire**
Per Thureson
Technical Manager
Marina C Andersson
Technical Officer**Appendices**

- 1 Product list
- 2 Test results, EN ISO 9239-1, Aqualon Relief
- 3 Test results, EN ISO 11925-2, Aqualon Relief
- 4 Test results, EN ISO 9239-1, Safestep, Safestep R12, Safestep Grip, Onestep
- 5 Test results, EN ISO 11925-2, Safestep, Safestep R12, Safestep Grip, Onestep



Appendix 1

List of Forbo Project Vinyl AB's products**Products**

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The products have a nominal thickness of 2.0 mm. The product group including the tested versions are listed below together with product name, wear layer thickness and area weight of each product.

Product name	Nominal area weight (kg/m ²)	Nominal thickness of wear layer (mm)	Tested according to EN ISO 9239-1 and EN ISO 11925-2
Safestep	2.8	0.7	Appendix 4 and 5
Safestep R12	2.8	0.7	Appendix 4 and 5
Safestep Grip	2.8	0.7	Appendix 4 and 5
Onestep	2.9	0.45	Appendix 4 and 5
Aqualon Relief*	2.8	0.7	Appendix 2 and 3

*Floor coverings for wet room areas without glass fibre reinforcement.

The tests have been carried out on products covering the area weight range and the thickness range of the product group.

The protocol on fire testing and classification of resilient, textile and laminate floorings - FSG Recommendation 015 - from the fire sector group of notified bodies, have been applied in the process of selecting suitable products for testing



Appendix 2

Test results – EN ISO 9239-1, January 2002

Product

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The product has a nominal thickness of 2.0 mm. Product tested is listed below including product name, wear layer thickness and area weight.

Product name	Dessin / Production batch	Production date	Nominal thickness of wear layer (mm)	Nominal area weight (kg/m ²)
Aqualon Relief*	24392 / 7315-012	2005-04-20	0.7	2.8

*Floor coverings for wet room areas without glass fibre reinforcement.

Application

The specimen was loosely put on to a non-combustible board, type "Eterplan N", having a density of 1800 kg/m³ approximately.

Test results

Test no	1	2	3	4
Direction	↑	→	→	→
Flame spread distance, mm	Time, min:s	Time, min:s	Time, min:s	Time, min:s
50	2:07	2:12	2:03	2:03
100	2:42	2:46	2:40	2:39
150	3:10	3:07	3:18	3:06
200	3:48	4:01	4:12	4:10
250	-	4:45	5:00	-
Flames at flame front extinguished	5:21	4:55	5:30	5:36

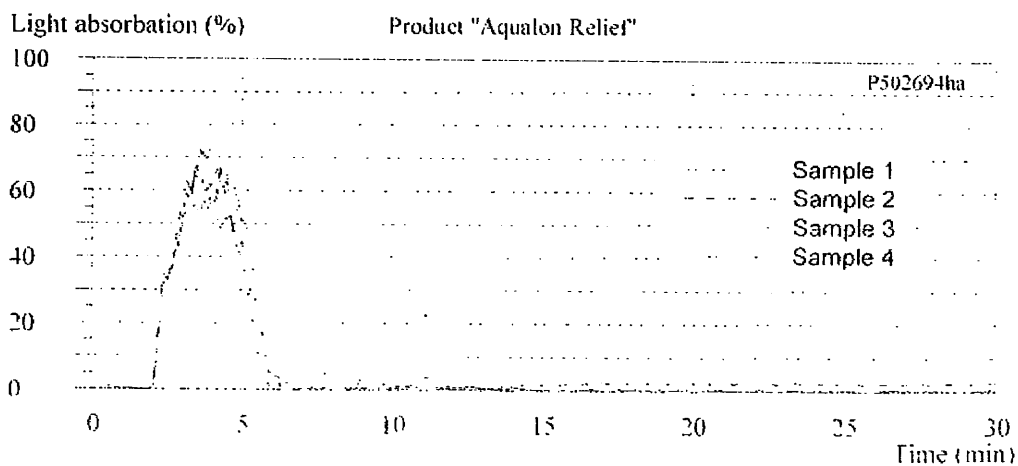
Appendix 2

Test no	1	2	3	4
Direction	↑	→	→	→
Time, min	Flame spread distance, mm	Flame spread distance, mm	Flame spread distance, mm	Flame spread distance, mm
HF-10	-	-	-	-
HF-20	-	-	-	-
HF-30	-	-	-	-

Test no	1	2	3	4	Average value*
Direction	↑	→	→	→	
Maximum flame spread, mm	230	250	250	240	-
Critical radiant flux (CHF), kW/m ²	9.0	8.6	8.7	8.9	<u>8.7</u>
Peak smoke production, %	73	65	67	66	<u>66</u>
Light absorption (area under curve), % x min	138	225	175	177	<u>192</u>

* The mean value is from the test data on the three specimens with the same directional orientation.

Smoke generation sample no 1 to 4



REPORT

Date
2005-10-17

Reference
P502694C

Page
3 (3)



Appendix 2

Measured data

Thickness 2.3 – 2.4 mm.
Area weight 2.6 kg/m².

Conditioning

According to EN 13238, 2000.

Temperature (23 ± 2) °C.
Relative humidity (50 ± 5) %.

Date of test

September 29 and October 3, 2005.



Test results – EN ISO 11925-2, 2002

Product

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The product has a nominal thickness of 2.0 mm. Product tested is listed below including product name, wear layer thickness and area weight.

Product name	Dessin / Production batch	Production date	Nominal thickness of wear layer (mm)	Nominal area weight (kg/m ²)
Aqualon Relief*	24392 / 7315-012	2005-04-20	0.7	2.8

*Floor coverings for wet room areas without glass fibre reinforcement.

Test preparation

The specimen was loosely put on to a non-combustible board, type "Eterplan N", having a density of 1800 kg/m³ approximately.

Application

Surface exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6
Direction	↑	↑	↑	→	→	→
The sample ignited, s	9	9	10	10	9	9
The flames reach 150 mm, s	—*	—*	—*	—*	—*	—*
Burning droplets	No	No	No	No	No	No
Time when filter paper ignited, s	—	—	—	—	—	—

*Flaming ceased before the flame tip reached 150 mm.

Measured data

Thickness 2.3 – 2.4 mm.

Area weight 2.6 kg/m².

Conditioning

Date of test

According to EN 13238, 2001.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

October 4, 2005.



Test results – EN ISO 9239-1, January 2002

Products

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The products have a nominal thickness of 2.0 mm. Products tested are listed below including product name, wear layer thickness and area weight of each product.

Product name	Dessin / Production batch	Production date	Nominal thickness of wear layer (mm)	Nominal area weight (kg/m ²)
Safestep	8214 / 5668-246	2005-06-29	0.7	2.8
Safestep R12	8594 / 5645-336	2005-06-21	0.7	2.8
Safestep Grip	8314 / 5650-011	2005-06-22	0.7	2.8
Onestep	8491 / 5634-354	2005-06-17	0.45	2.9

Application

The specimen was loosely put on to a non-combustible board, type "Eterplan N", having a density of 1800 kg/m³ approximately.

Test results

Test no	1	2	3	4
Product	Safestep	Safestep R12	Safestep Grip	Onestep
Direction	→	→	→	→
Flame spread distance, mm	Time, min:s	Time, min:s	Time, min:s	Time, min:s
50	2:21	2:30	2:18	2:12
100	3:06	3:03	2:45	3:18
150	3:37	3:34	3:21	4:09
200	4:15	4:37	5:06	4:49
250	5:37	-	-	-
Flames at flame front extinguished	6:09	6:09	6:15	6:00

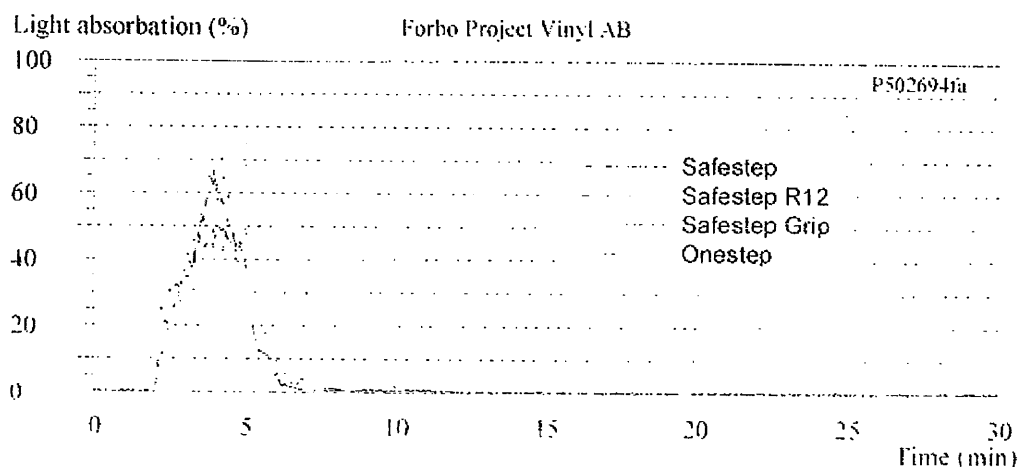


Appendix 4

Test no	1	2	3	4
Product	Safestep	Safestep R12	Safestep Grip	Onestep
Direction	→	→	→	→
Time, min	Flame spread distance, mm	Flame spread distance, mm	Flame spread distance, mm	Flame spread distance, mm
HF-10	-	-	-	-
HF-20	-	-	-	-
HF-30	-	-	-	-

Test no	1	2	3	4	Average value
Product	Safestep	Safestep R12	Safestep Grip	Onestep	
Direction	→	→	→	→	
Maximum flame spread, mm	250	240	230	220	-
Critical radiant flux (CHF), kW/m ²	8.6	8.8	9.0	9.2	±
Peak smoke production, %	71	64	48	51	±
Light absorption (area under curve), % x min	156	145	155	136	±

Smoke generation sample no 1 to 4





Appendix 4

Measured data

Product	Thickness (mm)	Area weight (kg/m ²)
"Safestep"	2.0 approx.	2.9 approx.
"Safestep R12"	2.1 approx.	2.8 approx.
"Safestep Grip"	2.2 – 2.4	3.0 approx.
"Onestep"	2.1 approx.	2.9 approx.

Conditioning

According to EN 13238, 2000.

Temperature (23 ± 2) °C.

Relative humidity (50 ± 5) %.

Date of test

September 29 and 30, 2005.



Appendix 5

Test results – EN ISO 11925-2, 2002

Products

According to the client:

Polyvinyl chloride resilient floor covering for commercial use consisting of a backing of PVC with fillers, glass fibre reinforcement, wear layer of pigmented plasticized PVC. Carborundum is added to the wear layer for better slip resistance. The products have a nominal thickness of 2.0 mm. Products tested are listed below including product name, wear layer thickness and area weight of each product.

Product name	Dessin / Production batch	Production date	Nominal thickness of wear layer (mm)	Nominal area weight (kg/m ²)
Safestep	8214 / 5668-246	2005-06-29	0.7	2.8
Safestep R12	8594 / 5645-336	2005-06-21	0.7	2.8
Safestep Grip	8314 / 5650-011	2005-06-22	0.7	2.8
Onestep	8491 / 5634-354	2005-06-17	0.45	2.9

Test preparation

The specimen was loosely put on to a non-combustible board, type "Eterplan N", having a density of 1800 kg/m³ approximately.

Application

Surface exposure. Flame exposure time was 15 seconds.

Test results

Test no	1	2	3	4	5	6	7	8
Product	Safestep		Safestep R12		Safestep Grip		Onestep	
Direction	↑	→	↑	→	↑	→	↑	→
The sample ignited, s	10	10	8	9	10	8	9	9
The flames reach 150 mm, s	.*	.*	.*	.*	.*	.*	.*	.*
Burning droplets	No	No	No	No	No	No	No	No
Time when filter paper ignited, s	-	-	-	-	-	-	-	-

*Flaming ceased before the flame tip reached 150 mm.



Appendix 5

Measured data

Product	Thickness (mm)	Area weight (kg/m ²)
"Safestep"	2.0 approx.	2.9 approx.
"Safestep R12"	2.1 approx.	2.8 approx.
"Safestep Grip"	2.2 – 2.4	3.0 approx.
"Onestep"	2.1 approx.	2.9 approx.

Conditioning

According to EN 13238, 2001.
Temperature (23 ± 2) °C.
Relative humidity (50 ± 5) %.

Date of test

October 4, 2005.

Final / Interim Fire Safety Certificate

Environmental Planning & Assessment Regulation 2000 – Part 8, Division 3

Type of Certificate

Type of certificate issued

☐ Interim

☒ Final

Details of Certificate

Name of Owner/Agent I, Anthony Scognamiglio

Address of Guardian Protection Services

certify that:

(a) each of the essential fire measures listed below:

- has been assessed by a person (chosen by me) who was properly qualified to do so; and
- was found, when it was assessed to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule (copy attached) for the building for which the certificate is issued.

(b) the information contained in this certificate is, to the best of my knowledge and belief, true and accurate.

Identification of the Building

Street The Corso, Manly

Side of street

Nearest cross street

House/Unit number 31

Description of the building
(whole or part) Bank

Date of Assessment

Date of assessment 19/6/09

Essential Fire Safety Measures

	Items to be inspected or tested as nominated by the relevant authority	Deemed to satisfy installation standard/code/conditions of approval
1.	Automatic Sprinkler Systems & Occupant Warning System	AS2118— 1982 & Clause 8 of BCA Spec E1 .5
2.	Hose Reel System	BCA E1.4 & AS2441 — 1988
3.	Portable Fire Extinguishers & Fire Blankets	BCA E1.6 & AS2444 — 1995
4.	Required (Automatic) Exit Doors	BCA D2.19, D2.21 & AS4085 — 1992

Date of Certificate

Date of this certificate 22/6/09

Signature

Agent / Owner's Signature

Capacity

PROTECT / MANGOR

- A copy of this certificate together with the relevant fire safety schedule must be forwarded to the Council and the Commissioner of the New South Wales Fire Brigades.
- A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.
- A Fire Safety Certificate is a certificate issued by or on behalf of the owner of the building.

Paul Schenko

From: Mills, Jonathan [Jonathan.Mills@lendlease.com.au]
Sent: Monday, 22 June 2009 11:40 AM
To: Paul Schenko
Subject: FW: CBA - The Corso MANLY
Attachments: Design Certificate Manly CBA.pdf; Certification - CBA Manly.pdf; ~WRD000.jpg

Paul,

I can confirm that no penetrations were made in the fire rated elements.

J4 is not applicable

Regards,

Jonathan Mills

From: Chris Bailey [mailto:cbailey@mckenzie-group.com.au]
Sent: Friday, 19 June 2009 10:35 AM
To: Mills, Jonathan
Cc: Paul Schenko
Subject: CBA - The Corso MANLY

Jonathan,

Following our phone conversation; the following certificates or statements are required for issuance of Occupation Certificate for the abovementioned works.

1. Fire Safety Certificate for the following essential services to the standard nominated on the Fire Safety Schedule:
 - ☐ Portable Fire Extinguishers to AS 2444-2001, BCA, Clause E1.6,
 - ☐ Sprinkler System to AS2118.1-1999. BCA Clause E1.5 and Spec E1.5.
 - ☐ Required (Automatic) Exit Doors to BCA Clause D2.19, D2.21 & AS4085-1992.
2. Installation Certificate for glazed assemblies in accordance with AS2047 & AS1288.
3. Please provide written confirmation that no penetrations in fire-rated elements occurred as part of the works.
4. Mechanical services completion & performance certificate indicating compliance with approved plans and AS1668.2 & Part J4 & J5 of the BCA.
5. Certification that artificial lighting complies with AS/NZS 1680 & Part J6 of the BCA.
6. Please provide a copy of the drawings detailing front façade, submitted to Council to satisfy DA Condition ANS01.

As advised Paul Schenko will be onsite on Monday to re-inspect the items identified from Inspection on 19 March 2009.

Should you have any questions, please contact Paul Schenko or myself.

Kind Regards,

22/06/2009

Chris Bailey

Assistant Building Surveyor
McKenzie Group Consulting
Suite 601, Level 6/189 Kent Street
Sydney NSW 2000

M 0416 075 306

T (02) 8298 6800

F (02) 8298 6899

E cbailey@mckenzie-group.com.au

W www.mckenzie-group.com.au

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VENTILATION (GENERAL) - INSTALLATION CERTIFICATE

Project Name	CBA - Marly Corso
Address	29-31 The Corso Marly 2095
Part of Building to be certified	CBA Tenancy Only.

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the mechanical drawings and specifications and the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Ventilation (general)	BCA2008 Clause NSW F4 5(b) and AS 1668.2 - 1991

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 15 YEARS EXPERIENCE IN THE DESIGN & INSTALLATION OF AIRCONDITIONING SYSTEMS, MEMBER OF AUSTRALIAN INSTITUTE OF REFRIGERATION AIRCONDITIONING & HEATING.

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name of Certifier: J. HATTERSLEY
 Company: AIRTECH AIRCONDITIONING Pty Ltd.
 Address: 7/1 KALINYA ST. NEWPORT 2106
 Phone No. 9999 4426 Fax No. 9999 4426

Signature

Date

4/6/09

**ENERGY EFFICIENCY (AIR-CONDITIONING AND VENTILATION SYSTEMS) -
INSTALLATION CERTIFICATE**

Project Name	CBA - Marly Corso
Address	29-31 The Corso - Marly 2095
Part of Building to be certified	CBA Tenancy only

I hereby certify that:

- a) The works have been inspected during construction and have been completed in accordance with the architectural drawings, specifications and the nominated Standards of Performance.

Measure and/or system	Standards of Performance
Energy Efficiency (Air-Conditioning And Ventilation Systems)	BCA2008 Part J5, Specification J5.2 and Specification J5.4

- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. (My qualifications and accreditations are listed below)

Relevant qualifications and accreditations: 15 YEARS EXPERIENCE IN THE
DESIGN + INSTALLATION OF AIR-CONDITIONING SYSTEMS,
MEMBER OF AUSTRALIAN INSTITUTE OF REFRIGERATION
AIR-CONDITIONING & HEATING

- c) The information contained in this statement is true and accurate to the best of my knowledge.

Name of Certifier: J. HATTERLEY
Company: AIRTECH AIR-CONDITIONING PTY LTD
Address: 7/1 KALINYA ST NEWPORT 2106
Phone No: 9999 4426 Fax No: 9999 4426


Signature

4/6/2009
Date



GW Engineers

Services & Solutions

GW Engineers is the registered business name of
Gardiner Willits & Associates Pty Ltd ABN 58 067 249 914

284 Victoria Avenue (PO Box 767)

Chatswood NSW 2067 Australia

Telephone (02) 9411 3722

Facsimile (02) 9411 8092

www.gwengineers.com.au

5 June 2009

Ref: F244/C04/JUN19879.DOC:dw

Manly Council
Belgrave Street (Cnr The Corso)
MANLY NSW 2095

Attention: The General Manager

Dear Sir/Madam

**RE: STRUCTURAL INSPECTION CERTIFICATE FOR
PROPOSED ALTERATION TO CBA MANLY
29-31 THE CORSO, MANLY 2095**

I certify that a qualified structural engineer from this office has carried out structural inspections in accordance with our contractual brief for services during the construction of the project as shown in the attached schedule and that at the times of the inspections, the work inspected conformed with the intent of the design as conveyed by the Structural Engineering drawings approved by Council to the extent as shown on the attached schedule and site instructions.

This certification shall not be considered as relieving any other party of their responsibilities, liabilities or contractual obligations.

Yours faithfully
GW Engineers

Allan Rose
Director



Directors

Geno Zemaitis BE Hons FIE Aust

Allan G Rose BE Hons FIE Aust CP Eng

Graham Wall MIE Aust CP Eng

Associates

Craig Philipp

Pamela Wall BBus ASA

Kon Leard BE Hons MIE Aust CP Eng



SITE INSPECTION

INSPECTION AND TEST PLAN

PROJECT: CBA MANLY
29-31 THE CORSO
MANLY NSW 2095

JOB No: F244/C04
AUTHORISED BY: ALLAN ROSE
PAGE 1 OF 1

REV No: A

AREA	INSPECTION OR TEST	PURPOSE / STANDARD / ACCEPTANCE CRITERIA	SITE INSTRUCTION	DATE	INSPECTING ENGINEER
1. Stair infill reinforcement at ground floor (central stair)	Inspection	GWA Engineer's Drawing	No. 1	23/1/2009	M. Chuah
2. Stair infill reinforcement at level 1	Inspection	GWA Engineer's Drawing	No. 2	30/01/2009	M. Chuah
3. Steel stair and wall framing inspection	Inspection	GWA Engineer's Drawings and details	No. 3	11/02/2009	M. Chuah
4. Infill slab reinforcement at grid 3E/3F	Inspection	GWA Engineer's Drawings	No. 4	20/02/2009	M. Chuah
5. Infill slab reinforcement over front stair	Inspection	GWA Engineer's Drawings	No. 5	22/05/2009	M. Chuah



JOHN R KEITH CONTRACTING PTY LTD
4th June, 2009

**Bovis Lend Lease
30 The Bond
30 Hickson Road, Millers Point
Sydney NSW 2000**

Attn: Jonathan Mills

RE: CBA, 31 THE CORSO MANLY

We hereby certify that the following works have been completed in accordance with Standards Association of Australia, Building Service Engineers specifications and drawings and the Building Code of Australia as listed below.

* Sanitary Plumbing	AS 3500
* Water Supply	AS 3500

J R Keith Pty Ltd has progressively inspected & tested these works during construction.

**Yours faithfully
JOHN R. KEITH PTY LIMITED**



Cameron Gilbert

PLUMBING DRAINAGE & CIVIL ENGINEERING CONTRACTORS
CONTRACTORS AUTHORITY A2824 • ACN 002 026 539 • ABN 44 002 026 539

91-101 Hutchinson Street St. Peters NSW 2044
PO Box 99 Alexandria NSW 1435 • Tel 02 9519 2200 Fax 02 9517 1215
Email admin@jrk.com.au



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
Wetherill Park NSW 2164
PO Box 230W
Fairfield West NSW 2165

t 9604 8400

f 9604 5988

www.gmpconstructions.com.au

Bovis Lend Lease
Level 3, 30 Hickson Road,
Millers Point NSW 2000

4th June, 2009

Attn: Jonathan Mills

**RE: WATERPROOFING CERTIFICATE, COMMONWEALTH BANK
MANLY, THE CORSO MANLY NSW.**

To Whom It May Concern:

We, GMP Constructions Pty Ltd confirm that we are the builder contracted by Bovis Lend Lease for the internal branch refurbishment works at the above mentioned address.

We wish to confirm that all waterproofing to wet areas complies with AS 3740, and that products used have been installed in accordance with manufacturer's recommendations.

We trust that our certificate meets with your approval, please feel free to contact me on 0411 808 458 should you require and additional assistance.

Regards,


Zac Petkovic

GMP Constructions Pty Ltd

CONSTRUCTION • INTERIORS • FITOUT



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
Wetherill Park NSW 2164
PO Box 230W
Fairfield West NSW 2165

t 9604 8400

f 9604 5988

www.gmpconstructions.com.au

Bovis Lend Lease
Level 4, 30 Hickson Road,
Millers Point NSW 2000

4th June, 2009

Attn: Jonathan Mills

RE: Commonwealth Bank Manly NSW, The Corso Manly NSW.

To Whom It May Concern:,

With regard to the above mentioned project we GMP Constructions Pty Ltd wish to confirm that all the newly built and installed walls and ceilings & floor linings at the project comply with the specification **C1.10a of the Building Code Of Australia.**

We trust this meets with your approval, please don't hesitate to contact me on 0411 808 458 should you have any further queries in relation to the matter.

Regards,

Zac Petkovic
GMP Constructions Pty Ltd



CONSTRUCTIONS PTY LTD

ABN. 37003971793 ACN. 003971793 Lic No. 7329c

4 / 62 - 66 Newton Road
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Bovis Lend Lease
Level 3, 30 Hickson Road,
Millers Point NSW 2000

4th June, 2009

Attn: Jonathan Mills

**RE: BUILDING COMPLIANCE CERTIFICATE, COMMONWEALTH BANK
Manly, The Corso Manly NSW.**

To Whom It May Concern:

We, GMP Constructions Pty Ltd confirm that we are the builder contracted by Bovis Lend Lease for the internal branch refurbishment works at the above mentioned address.

We wish to confirm that all the building works with regard to the above mentioned project have been constructed generally in accordance with the BCA & Construction certificate approved plans and documentation.

We trust that our certificate meets with your approval, please feel free to contact me on 0411 808 458 should you require and additional assistance.

Regards,

Zac Petkovic
GMP Constructions Pty Ltd

CONSTRUCTION • INTERIORS • FITOUT

R & B ELECTRICAL SERVICES PTY LTD

A.C.N. 001 604 388
A.B.N. 88 993 016 191

4M/32 SIRIUS ROAD
LANE COVE NSW 2066

E-mail: geoff@rbelectrical.com.au

TEL: 94187699
FAX: 94188073

5 March 2009

Bovis Lend Lease Pty Limited
30 The Bond
30 Hickson Road
MILLERS POINT NSW 2000

Attention: Mr Tyron Nicholson

Dear Tyron,

RE: CBA Manly
29-31 The Corso
Manly NSW

Further to your request we submit the following information.

The electrical installation works to the above address have been carried out in accordance with the Australian Standards AS3000, AS2293 and Building Services Engineers drawings and specification.

If any further information or assistance is required, please contact the undersigned.

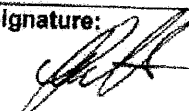
Yours faithfully,
R & B ELECTRICAL SERVICES PTY LTD



G. K. Bartho

Final / Interim Fire Safety Certificate

Issued under the Environmental Planning and Assessment
Regulations 2000
Clauses 170 and 173

Type of certificate	<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Final	
Certificate Name owner / agent Address	I R. Dawson Of R&B Electrical Services Certify that: a) Each of the essential fire measures listed below: <input checked="" type="checkbox"/> Has been assessed by a person (chosen by me) who was properly qualified to do so, and <input checked="" type="checkbox"/> Was found, when it was assessed to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule for the building for which the certificate is issued. b) The information contained in the certificate is to the best of my knowledge and belief, true and accurate	
Identification of building	Address: Commonwealth Bank 29 – 31 the Corso Manly, N.S.W Street Side: Nearest Cross Street: Darley St Street Municipality:	
Particulars of Building	Whole / Part Building: Branch and offices only Description of Part:	
Date of Assessment	30 March 2009	
Owner of Building	Name: Address:	
Essential Fire Safety Measures	Essential Service	Standard of Performance
	Emergency Lighting and Exit Signs	AS2293.1-2006, BCA 2007, Clause E4.2, E4.4, E4.5, E4.6, E4.8
Date of Certificate	Date: 30 March 2009	
Signature: 	Installation only Design by BSE Engineers. <div style="text-align: right;">(Owner / Agent)</div>	

Paul Schenko

From: David Stray [David.Stray@manly.nsw.gov.au]
Sent: Tuesday, 16 June 2009 10:15 AM
To: Mills, Jonathan
Subject: RE: DA250/08 - Commonwealth Bank Building No.29-31 The Corso Manly

Jonathan,

Thanks for the email and drawing detailing the signs. I can confirm that the proposal is considered to satisfy DA condition ANS01. Council has no objection to the installation of the signs as shown on the attached drawing.

Regards

David Stray

Manager Development Assessment

Environmental Services Division

(direct) 9976 1795

From: Mills, Jonathan [mailto:Jonathan.Mills@lendlease.com.au]
Sent: Friday, 5 June 2009 11:20 AM
To: David Stray
Subject: DA250/08 - Commonwealth Bank Building No.29-31 The Corso Manly
Importance: High

David,

Please find attached the requested update for clause ANSO1 which was to reduce the awning size to fit existing. Can you please review and approve by email.

Regards,

Jonathan

From: Jennifer Urwin [mailto:Jurwin@davenport-campbell.com.au]
Sent: Monday, 4 May 2009 11:40 AM
To: Mills, Jonathan
Subject: FW: CBA Manly
Importance: High

Jonathan,

Attached is the amended external elevation for Manly to reflect the Kelton drawing sent through.

Let us know if you have any queries.

Regards

Jennifer Urwin

Designer

Davenport Campbell & Partners Pty Ltd

Level 4, 122 Pitt Street, Sydney NSW 2000

Tel: 02 8233 5614 | Fax: 02 8233 5601 | Mobile: 0410 685 695 | Email: jurwin@davenport-campbell.com.au

Nominated Responsible Architect: Peter Wager, Registration No. 6814

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From: Mills, Jonathan [mailto:Jonathan.Mills@lendlease.com.au]
Sent: Thursday, 30 April 2009 4:27 PM
To: Lisa Manion
Subject: FW: CBA Manly
Importance: High

Can you update the elevations to reflect the attached awning detail change (DA consideration)

From: Bojana Kuzmanovic [mailto:Bojana.Kuzmanovic@kelton.com.au]
Sent: Thursday, 30 April 2009 4:23 PM
To: Mills, Jonathan
Subject: RE: CBA Manly
Importance: High

Hi Jon
Attached as per your request

Thanks

Kind Regards,

Bojana Kuzmanovic
Project Manager



Kelton Products Pty Ltd
Unit A, 204 Hume Highway, Chullora NSW 2190
Ph: (02) 9708 0555 Fax: (02) 9708 2455
Mobile: 0419 431 871
Email: bojana.kuzmanovic@kelton.com.au
Web: www.kelton.com.au
ABN: 66 074 821 382

-----Original Message-----

From: Mills, Jonathan [mailto:Jonathan.Mills@lendlease.com.au]
Sent: Thursday, 30 April 2009 4:04 PM
To: Bojana Kuzmanovic
Subject: RE: CBA Manly

Can you please forward me your artwork for the awning fascia signage

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