

4 th September 2009	COUNCIL COPY
	8 SEP 2003
The General Manager Manly Council PO Box 82 Manly NSW 1655	notribución a presenta Printzen el
Attention: Planning Department	The Electron contract of the second sec
Dear Sir/Madam,	

1

And a contract presentation of the second

RE: DA NO: 196/08A (S96) & (10831 of 2008 LAND & ENVIRONMENT COURT OF NSW) IVANHOE HOTEL, 23-29 THE CORSO, MANLY NSW 2095

Please find attached a copy of an Interim Occupation Certificate for the above development that has been granted by the Principal Certifying Authority, Lyall Dix.

The certificate relates to the alterations to the existing hotel facility at the above address and has been issued for - Stage 1: Internal alterations for part of the Ground Floor (No. 29) for a TAB/Gaming room and fitout of the bar.

Together with the Certificate, we have enclosed the following for Council's record:

- 1. Interim Occupation Certificate Application Form
- 2. Interim Fire Safety Certificate
- 3. Other documents relied upon.

We have attached a cheque for the registration of this certificate. In forwarding the receipt for this cheque it is requested that reference be made to the address of the premises.

If you have any queries regarding the above please do not hesitate to contact the undersigned on 9279 3657 during business hours.

Yours faithfully,

Carl Parkinson Dix Gardner Pty Ltd

Hilrok Properties Pty Ltd.Ivanhoe Hotel, The Corso Manly

CIERTING IGR

\$ 30

R. 641487 8-9-09

Level 2, 25 Watt Street P.O. Box 1809 Newcastle NSW 2300 Tel: 02 4927 1822 Fax: 02 4927 1844

Level 4, 155 Castlereagh Street Sydney NSW 2000 Tel: 02 9279 3657 Fax: 02 9279 3686

CC:-

Job 09/0281 Page 1 of 1



COUNCIL COPY

Occupation Certificate

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

Certificate No.:	334/09	
Subject land: Lot and DP:	Ivanhoe Hotel, 23-29 The Corso, Manly NSW 2095 Lot 1, DP 877793 & Lot 9, Sec B, DP 192310	
Applicant: Address:	Hilrok Properties Pty Ltd. C/- The Ivanhoe Hotel 23-29 The Corso, Manly NSW 2095	
Owner:	Henroth Investments Pty Ltd.	
Type of Certificate:	Interim	
Determination: Date of Determination:	Approved 4/09/2009	
Attachments:	 Other certificates relied upon Interim Fire Safety Certificate 	
Whole/Part of building works: Description of part (if applicable):	Part Ground Floor - No. 29 (partial area) for the TAB and Gaming Room only. (Stage 1)	
BCA Classification:	Class 9b	
DA No.:	196/08a (incorporating S.96 amendments – Council) & 10831 of 2008 (Land & Environment Court of NSM)	
Issued by:	Manly Council	
Construction Certificate No.: Date:	215/09 3/06/2009	
Accreditation Level: Registration No.: Accreditation Body:	A1 - Accredited Certifier - Building Surveyor Grade 1 BPB0092 Building Professionals Board	

I certify that:

Signed:

- the health and safety of the occupants of the building have been taken into consideration where an interim occupation certificate is being issued, and
- a current development consent or complying development certificate is in force for the building, and
- 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, and
- the building is suitable for occupation or use in accordance with its classification under the Building Code of Australia, and
- a fire safety certificate has been issued for the building, and
- a report from the Fire Commissioner has been considered (if required).

Date: 4/09/2009

Lyall Dix Principal Certifying Authority

Job 09-0281\IOC

ABN 19 090 427 446 | Email: admin@dixgardner.com.au | Web: www.dixgardner.com.au



INSPECTION RECORD (STAGE 1- No 29 ground floor)

Address:	Ivanhoe Hotel, 23-29 The Corso, Manly NSW 2095				
DA No.:	196/08 (S96) & 10831/08 L&EC CC No.: 215/09				
AC/PCA:	Lyall Dix - BPB0092	x - BPB0092 DG Project No: 09/0281			
Inspection Type:	Pre / Final / BCA Compliance	Inspections By: Carl Parkinson (Building Surveyor) Lyall Dix (PCA)			

CRITICAL STAGE INSPECTIONS	Se	ection 109E (3) (d) of the Act	& Clause 162A of ti	he Reg's
In the case of a class 5, 6, 7, 8 or 9 building,	Critical Stage In	spection Satis	factory	Inspection Date	Officer
(a) Pre – CC inspection (Regulation 143b)	Yes 🛛	Missed 🔲	N/A 🗆	01/06/2009	LD/CP
(b) prior to covering any stormwater drainage connections, and	Yes 🗍	Missed 🗖	N/A 🖾		
(c) after the building work has been completed and prior to any occupation certificate.	Yes 🛛	Missed 🔲	N/A 🖸	24/08/2009 03/09/2009	LD/CP



Occ	UPATION CERTIFICATE APPLICATION FORM Environmental Planning & Assessment Act 1979, s.109C Environmental Planning & Assessment Reculation 2000, cl 126 or 139
	Interim Erinal
APPLICANT	
Name	HILLOK HOTEL GROUP THAS EVANILIES IN
Address	27 THE COKSO
	MANLY 2095
Signature & Dat	e A 70/\$/69.
OWNER	
Name	HENROTH INVESTMENTS P/W-
Address	SHITE 801 46-56 KIPPAY ST
	SURRY HILLS 2010
SUBJECT LAND	
Address	29 THE CORSO
	MANKY 2095
Lot & DP	
PROPOSAL	
Description	Gravel floor - No 29 (partial)
	for the TAB/ GAMING BOOM
Part or Whole	
of Building	PART
DEVELOPMENT CO	DNSENT
Not applicable for	applications for CDC
DA No.	196/080 S96/course Date of Determination 17/1208
CONSTRUCTION/C	OMPLYING DEVELOPMENT CERTIFICATE
Construction or	
Complying	
Development	
Certificate No	<u>215/09</u> Date <u>03</u> 060

Level 4, 155 Ceatlereagh Street Sydney NSW 2000 Tel: 02 9279 3657 Fax: 02 9279 3686

ABN 19 090 427 446 | Email: admin@dixgardner.com.au | Web: www.dixgardner.com.au



FDC Construction & Fitout Pty Ltd ABN 44 120 295 034 22:24 Junction Street Forest Lodge NSW 2037 P.O. Box 425 Camperdown NSW 1450 Telephone: 02 9566 2800 Focsimile: 02 9566 2922 Website: www.fdcbuilding.com.au



2nd September 2009

Dix Gardner Pty Ltd Level 4, 155 Castlereagh St Sydney NSW 2000

Attention: Carl Parkinson

Re: Ivanhoe Hotel 27 - 29 The Corso, Manly

Dear Carl,

Please be advised that all works for the above development have been carried out in accordance with the following:

- development consent
- all relevant Australian Standards
- In accordance with the Building Code of Australia.

Yours sincerely

(11)

Gareth Wynne Project Manager FDC Construction & Fitout Pty Ltd

<u>Hilrok Hotel Group Pty Ltd</u> 17 The Corso, Manly, Sydney, 2095 ABN: 57 001 173 673 Phone: 02 99772418 Fax: 02 99772410 Mobile: 0412 105566 Email: timpeterson@hilrokproperties.com.au

20th August 2008

Dix Gardner PO box 1809 NEWCASTLE NSW 2300

RE: Interim Occupational Certificate stage 1(Ground Floor - No: 29, The Corso Manly - TAB & Gaming Room)

Dear Sir,

I confirm that all required Development Consent Conditions have been completed and the following conditions will be met.

15. (a) Condition 2: I confirm the final plan of management will be submitted to the council incorporating all of the requirements of this condition; in relation to this stage I confirm sound levels to the outdoor smoking area will be monitored after 10pm

(b) Condition 9; I confirm the entry doors and windows to the TAB area will be closed/locked during 11pm to 9am every day

(c) Condition 15: I confirm compliance with AS1428.1/2 for the gaming and TAB areas and compliant disabled access is maintained to the existing hotel part for the use of the disabled WC and lift to other floors.

Yours/Sincerely

Tim Peterson Director



Fire Safety Schedule

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

Premises:	29-33 The Corso, Manly NSW 2095 (Existing Commonwealth Bank building, part ground floor use at No 29 for the Ivanhoe Hotel)
Development Consent No.:	196/08 / 10831 of 2008 Court Order
construction certificate No.:	210/09

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

	·		
Essential Fire and other Safety Measures	Standard of Performance	Existing	Proposed
A/C Trip	Standard of Performance to be obtained from Building Management	1	~
Automatic fire suppression system (sprinklers) Occupant Warning System	BCA Spec. E1.5, Clause 8 and AS 2118-1982/1999, BCA Spec E2.2a & E2.2b (ground floor part for the Ivanhoe Hotel)	~	~
Emergency Lighting	BCA Clauses E4.2/E4.4 & AS 2293.1- 1987/2005.	~	1
Exit Signs (illuminated)	BCA Clauses E4.5/NSW E4.6/E4.8 and AS 2293.1-1987/2005	~	1
Fire Alarm Communication Link	AS 1670.3-1997 & AS 4428.6-1997 AS1670.1-2004, BCA CI C3.5 –	~	1
	(Smoke detectors for automatic closing of fire doors to fire walls)	999-10 19 - 10 19 - 10	
Fire dampers	Standard of Performance to be obtained from Building Management	1	
Fire doors	BCA CI C3.8, C3.5 (Fire doors to firewalls) and AS1905.1- 1982/2005	\checkmark	\checkmark
Fire seals (protecting openings in fire resisting components of the building)	Standard of Performance to be obtained from Building Management. BCA CI C3.15	1	✓
Fire Hydrant systems (Street fire Hydrant)	BCA CI E1.3 & AS2419.1-2005	-	✓
Hose reel system	BCA Clause E1.4 & AS 2441- 1988/2005	1	√
Mechanical air handling system	BCA CI E2.2 (Shutdown), F4.5(b) & AS1668.1/2 -1998/1991		~
Paths of travel for stairways & Passageways	EP&A Regulations 2000, clauses 184- 186.		~
Portable fire extinguishers & Fire Blankets	BCA Clause E1.6 and AS 2444- 1995/2001	 ✓. 	~

SCHEDULE

Essential Fire and other Safety Measures	Standard of Performance	Existing	Proposed
Required (automatic) Exit Doors	BCA Clause D2.19/D2.21 & AS 4085- 1992	\checkmark	
Warning and Operational Signs	Standard of Performance to be obtained from Building Management	~	

ڻ ۲

¢,



Fire Safety Schedule

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

Premises:	Ivanhoe Hotel, 25-27 The Corso, Manly NSW 2095 (Existing Hotel – no works to this part for stage 1 CC (215/09 apart from essential fire services adjustments as below in relation the fire wall separation/openings between No 27 -29).
Development Consent No.:	196/08 / 10831 of 2008 Court Order
Construction Certificate No.:	215/09

The following essential fire safety measures shall be implemented in the whole of the building premises and each of the fire safety measures must satisfy the standard of performance listed in the schedule which, for the purposes of Clause 168 of the Environmental Planning and Assessment Regulation 2000, is deemed to be the current fire safety schedule for the building.

SCHEDULE

Essential Fire and other Safety Measures	Standard of Performance	Existing	Proposed
Automatic fire detection and alarm system	AS 1670-1995/2004, BCA CI C3.5 – (Smoke detection for automatic closing of fire doors to fire wall)	~	√
Automatic fire suppression system (sprinklers)	AS 2118.1-1995/1999, BCA Spec E1.5, Spec E2.2a & E2.2b	1	1
Emergency Lighting	AS 2293.1-1995	√	
Exit Signs	AS 2293.1-1995	√	
Fire Blankets	AS 2444-2001	√	
Fire doors	AS1905.1-1997/2005, BCA CI C3.5 – (Fire doors to fire wall)	✓	√
Hose reel system	AS 2441-1988	\checkmark	
Portable fire extinguishers	AS 2444-2001	\checkmark	

Fire Safety Certificate Issued under the Environmental Planning and Assessment Regulation 2000, Clauses 170 to 174

Type of	f Certificate	Interim	Final		
- Owner /	Agent	1. Gareth W	Ynre		
Address		of 22-24 Ju	unction st, Forest Lodge 2037		
		Certify that:			
		each of the essentia schedule for the bui	I fire safety measures specified in the current fire safety Iding to which the certificate relates:		
		a) has been as	sessed by a properly qualified person, and		
		b) was found, v least the star building for v	when it was assessed, to be capable of performing to at ndard required by the current fire safety schedule for the which the certificate is issued.		
Identifi	cation of Building		•		
Street		No 29 (ground floc	r part) The Corso, Manly		
House/U	nit No. or Building Name				
Side of S	Street				
Nearest	Cross Street				
Particul	lars of Building	ANG <u>W. A. J. J</u>	· · · · · · · · · · · · · · · · · · ·		
Scope		Whole D	3 Part		
Descripti	on of Part (where applicable)	Ground floor part t	o No 29 The Corso, Manly		
House/U	House/Unit No. or Building Name				
Date of A	ssessment				
Owner's	s Details				
Name	Henroth I	nvestments P	ty Ltd		
Address	Level 8, 46	-S6 kippa	x St, Surry H:11, 2010		
	Essential Fire and other	Safety Measures	Standard of Performance		
	A/C Trip		Standard of Performance to be obtained from Building Management		
	Automatic fire suppression Occupant Warning System	system (sprinklers)	BCA Spec. E1.5, Clause 8 and AS 2118-1982/1999, BCA Spec E2.2a & E2.2b (ground floor part for the Ivanhoe Hotel)		
	Emergency Lighting		BCA Clauses E4.2/E4.4 & AS 2293.1- 1987/2005.		
	Exit Signs (illuminated)		BCA Clauses E4.5/NSW E4.6/E4.8 and AS 2293.1-1987/2005		
	Fire Alarm Communication	Link	AS 1670.3-1997 & AS 4428.6-1997		
	· · · · · · · · · · · · · · · · · · ·		AS1670.1-2004, BCA CI C3.5 - (Smoke detectors for automatic closing		

	of fire doors to fire walls)
Fire doors	BCA CI C3.8, C3.5 (Fire doors to firewalls) and AS1905.1- 1982/2005
Fire seals (protecting openings in fire resisting components of the building)	Standard of Performance to be obtained from Building Management.
	BCA CI C3.15
Fire Hydrant systems (Street fire Hydrant)	BCA CI E1.3 & AS2419.1-2005
Hose reel system	BCA Clause E1.4 & AS 2441- 1988/2005
Mechanical air handling system	BCA CI E2.2 (Shutdown), F4.5(b) & AS1668.1/2 -1998/1991
Paths of travel for stairways & Passageways	EP&A Regulations 2000, clauses 184- 186.
Portable fire extinguishers & Fire Blankets	BCA Clause E1.6 and AS 2444- 1995/2001

Date of Certificate

dated this day of 2nd of September 2009

Signature

ownor/agent

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 Brigades.

Lotte le

A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.

Notes for completing the Fire Safety Certificate

Note 1

An interim fire safety certificate or a final fire safety certificate is required before:

- an interim occupation certificate can be issued to allow a partially completed new building (including and altered portion of, or an extension to, a new building) to be occupied or used, or
- an interim occupation certification can be issued to allow a change of building use for part of an existing building.

A final fire safety certificate is required:

- before a final occupation certificate can be issued to allow a new building (including an altered portion of, or extension to, a new building) to be occupied or used, or
- before a final occupation certificate can be issued to allow a change of building use for an existing building, or
- in accordance with a fire safety order given by a council.

An interim fire safety certificate is issued for part of the building and may deal only with those essential fire safety measures appearing on the most recent fire safety schedule (see note 3) relevant to the part of the building for which interim occupation certificate will be sought.

A final fire safety certificate must deal with all essential fire safety measures appearing on the most recent fire safety schedule (see note 3), subject to the following.

An interim fire safety certificate or a final fire safety certificate need not deal with those essential fire safety measures which have been the subject of some other final fire safety certificate or annual fire safety statement within the previous 6 months, unless the person or authority responsible for determining the relevant development consent, complying development certificate, construction certificate or fire safety order, has specified otherwise in the schedule. See also note 3.

Note 2

The person who carries out the assessment:

- must inspect and verify the performance of each fire safety measure being assessed; and
- in the case of a (interim or final) fire safety certificate for a new building (not an alteration to, or enlargement or extension of an existing building) must test the operation of each item of fire safety equipment installed in the building.

Note 3

The relevant essential fire safety measures are those specified in the most recent fire safety schedule, attached to one of the following:

- development consent for a change of building use; or
- complying development certificate for the erection of a building or a change of building use; or
- construction certificate for proposed building work, including building work associated with a change of building use; or
- a fire safety order.

The fire safety schedule will also identify standard of performance for each essential fire safety measure.

• • •

Fire Safety Certificate Issued under the Environmental Planning and Assessment Regulation 2000, Clauses 170 to 174

Type of Certificate	Interim Final
Owner / Agent	1. Gareth Wynne
Address	of 22-24 Junction St, Forest Lodge 2037
	Certify that:
÷	each of the essential fire safety measures specified in the current fire safety schedule for the building to which the certificate relates:
	a) has been assessed by a properly qualified person, and
	b) was found, when it was assessed, to be capable of performing to at least the standard required by the current fire safety schedule for the building for which the certificate is issued.
Identification of Building	
Street	25-27 The Corso, Manly
House/Unit No. or Building Name	
Side of Street	
Nearest Cross Street	
Particulars of Building	
Scope	🗋 Whole 🛛 Part
Description of Part (where applicable)	Part of Ground floor area, adjustment to Fire services to other side of fire wall in relation to the use of the ground floor, No 29 The Corso.
House/Unit No. or Building Name	
Date of Assessment	
Owner's Details	
Name H:lrok	Properties Pty Ltd
Address 17 The	Corso, Manly 2095

Essential Fire and other Safety Measures	Standard of Performance		
Automatic fire detection and alarm system	AS 1670-1995/2004, BCA CI C3.5 – (Smoke detection for automatic closing of fire doors to fire wall)		
Automatic fire suppression system (sprinklers)	AS 2118.1-1995/1999, BCA Spec E1.5, Spec E2.2a & E2.2b		
Fire doors	AS1905.1-1997/2005, BCA CI C3.5 (Fire doors to fire wall)		

Date of Certificate

dated this day of

Zd Japaber 2009

Signature

ownor/agent

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 Brigades.

A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.

Notes for completing the Fire Safety Certificate

Note 1

An interim fire safety certificate or a final fire safety certificate is required before:

- an interim occupation certificate can be issued to allow a partially completed new building (including and altered portion of, or an extension to, a new building) to be occupied or used, or
- an interim occupation certification can be issued to allow a change of building use for part of an existing building.

A final fire safety certificate is required:

- before a final occupation certificate can be issued to allow a new building (including an altered portion of, or extension to, a new building) to be occupied or used, or
- before a final occupation certificate can be issued to allow a change of building use for an existing building, or
- in accordance with a fire safety order given by a council.

An interim fire safety certificate is issued for part of the building and may deal only with those essential fire safety measures appearing on the most recent fire safety schedule (see note 3) relevant to the part of the building for which interim occupation certificate will be sought.

A final fire safety certificate must deal with all essential fire safety measures appearing on the most recent fire safety schedule (see note 3), subject to the following.

An interim fire safety certificate or a final fire safety certificate need not deal with those essential fire safety measures which have been the subject of some other final fire safety certificate or annual fire safety statement within the previous 6 months, unless the person or authority responsible for determining the relevant development consent, complying development certificate, construction certificate or fire safety order, has specified otherwise in the schedule. See also note 3.

Note 2

The person who carries out the assessment:

- must inspect and verify the performance of each fire safely measure being assessed; and
- in the case of a (interim or final) fire safety certificate for a new building (not an alteration to, or enlargement or extension of an existing building) must test the operation of each item of fire safety equipment installed in the building.

Note 3

The relevant essential fire safety measures are those specified in the most recent fire safety schedule, attached to one of the following:

- development consent for a change of building use; or
- complying development certificate for the erection of a building or a change of building use; or
- construction certificate for proposed building work, including building work associated with a change of building use; or
- a fire safety order.

The fire safety schedule will also identify standard of performance for each essential fire safety measure.



PO BOX 252, BALGOWLAH NSW 2093 MOBILE 0418 225 778 OFFICE 9949 7250 FAX 9949 3520 EMAIL nekode@bigpond.net.au

Manly Council 1 Belgrave Street Manly NSW 2095

24/08/2009

FIRE SAFETY CERTIFICATION

RE: THE IVANHOE OF MANLY

I, Phillip Fagan of Fagan's Electrics, hereby certify that the installation of the following new fire safety measures has been performed by myself and complies with the standards specified.

EMERGENCY LIGHTING and EXIT SIGNS, comply with the requirements of AS 2293 and with the relevant building codes.

P.G. Facy

PHILLIP FAGAN Licence No EC16898 for and on behalf of NEKODE PTY LTD T/A FAGANS ELECTRICS

cc FDC Construction & Fitout Pty Ltd



ABN: 75067793506

Final/Interim Fire Safety Certificate (Form 15)

Issued under the Environmental Planning and Assessment Regulation 2000, Clauses 170 to 174.

CERTIFICATE

type of certificate

see note 1

certificate

name owner/agent

address

see note 2 assessment requirements

see note 3 relevant fire safety schedule

Identification of building

Particulars of building

Date of assessment

Owner's details

Name Address

Date of certificate

Signature

Form 15

- X final
- I, Josh Crowder
- of, Precision Fire Protection Services P/L

Unit 6, 10 Enterprise Close, West Gosford NSW 2250

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 bellef, true and accurate.

Ivanhoe Hotel Manly

Part

description of part *(where applicable)* 29 The Corso Manly (Ground Level)

1/09/09

Hilrok Properties Pty Ltd 27 The Corso Manly

1/09/09

owner/agent

Precision Fire Protection Services Pty Ltd

	Ess	sential Fire and Other Safety Measures	Standard of Performance
-	•	Automatic fail safe devices	BCA-2006 Clause D2.21
-	•	Automatic fire detection and alarm system	BCA-2006 Specification E2.2a
x	•	Automatic fire suppression system (sprinklers)	BCA-2006 Clause E1.5 & AS 2118.1 – 1999
-	•	Wall wetting sprinklers (drenchers)	AS 2118.2 - 1995
-	•	Automatic fire suppression system (residential)	AS 2118.4 - 1995
-	•	Combined sprinkler and hydrant system	AS2118.6 - 1995
-	• ·	Electrical power to electrical operated essential fire and other safety measures	AS 3000 2000 and AS 1668.1 - 1998
-	•	Emergency lifts	BCA-2006 Clause E3.4 and AS 1735.1 - 2003
-	•	Emergency lighting	BCA-2006 Clause E4.2 & E4.4 & AS 2293.1 - 2005
•	•	Emergency warning and intercommunication system	BCA-2006 Clause E4.9 and AS 1670.1 - 2004
-	•	Exít Signs	BCA-2006 Clause E4.5 NSW E4.6, E4.8 & AS 2293.1 – 2005
-	•	Fire control centres	BCA-2006 Clause E1.8
-	•	Fire dampers	AS 1668.1, BCA C3.14 - 1998
-	•	Fire doors	BCA-2006 Specification C3.4
-	•	Fire hydrant systems	BCA-2006 Clause E1.3 and AS 2419.1 - 2005
-	•	Fire seals (protecting openings in fire resisting components of the building)	BCA-2006 Clause C3.15
-	•	Fire Shutters	BCA-2006 Part C3.4 and AS 1905.2 - 2005
-	•	Fire Windows	BCA-2006 Clause C3.4
-	•	Hose reel system	BCA-2006 Clause E1.4 and AS 2441 - 2005
-	1.	Lightweight construction	BCA-2006 Clause C1.8 and BCA Specification C1.8
-	•	Mechanical air handling systems including pressurising systems	BCA-2006 Clause E2.2, NSW F4.5(b), F4.9, F4.11, F4.12
-	•	Occupant Warning System	BCA-2006 Clause E2.2a, and AS1670 .1 2004
-	•	Openings in fire-isolated lift shafts	BCA-2006 Clause C3.10
-	•	Path of travel for stairways, passageway and ramps	BCA-2006 Part D1
-	•	Portable fire extinguishers	BCA-2006 Clause E1.6 & AS 2444 - 2001
-	•	Pressurising systems	BCA-2006 Table E2.2a and AS 1668.1 - 1998
-	•	Required (automatic) exit doors	BCA-2006 Clause D2.19, D2.21 and D2.22
•	•	Safety curtains in proscenium openings	BCA-2006 Clause NSW H101.10
-	•	Smoke and heat vents	BCA-2006 Clause E2.4
-	•	Smoke control systems	BCA-2006 Clause E2.2
-	•	Smoke dampers	BCA-2006 Clause 2.5
x	•	Smoke detectors and heat detectors	BCA-2006 Specification E2.2a and AS 1668.1 - 1998 and AS 1670 - 2004
- `	•	Smoke doors	BCA-2006 Specification C3.4
-	•	Warning & operational signs	BCA-2006 Clause D2.23 & E3.3

- 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.
- Should you have any inquiries do not hesitate to contact Precision Pty Ltd on 43247088.

Notes for completing Final/Interim Fire Safety Certificate

Note 1

An interim fire safety certificate or a final fire safety certificate is required before:

- An interim occupation certificate can be issued to allow a partially completed new building (including and altered portion of, or an extension to, a new building) to be occupied or used, or
- An interim occupation certification can be issued to allow a change of building use for part of an existing building.

A final fire safety certificate is required:

- Before a final occupation certificate can be issued to allow a new building (including an altered portion of, or extension to, a new building) to be occupied or used, or
- Before a final occupation certificate can be issued to allow a change of building use for an existing building, or
- In accordance with a fire safety order given by a council.

An interim fire safety certificate is issued for part of the building and may deal only with those essential fire safety measures appearing on the most recent fire safety schedule (see note 3) relevant to the part of the building for which interim occupation certificate will be sought.

A final fire safety certificate must deal with all essential fire safety measures appearing on the most recent fire safety schedule (see note 3), subject to the following.

An interim fire safety certificate or a final fire safety certificate need not deal with those essential fire safety measures which have been the subject of some other final fire safety certificate or annual fire safety statement within the previous 6 months, unless the person or authority responsible for determining the relevant development consent, complying development certificate, construction certificate or fire safety order, has specified otherwise in the schedule. See also note 3.

Note 2

The person who carries out the assessment:

- Must inspect and verify the performance of each fire safety measure being assessed, and
- In the case of a (interim or final) fire safety certificate for a new building (not an alteration to, or enlargement or extension of an existing building) must test the operation of each item of fire safety equipment installed in the building.

Note 3

The relevant essential fire safety measures are those specified in the most recent fire safety schedule, attached to one of the following:

- Development consent for a change of building use,
- Complying development certificate for the erection of a building or a change of building use,
- Construction certificate for proposed building work, including building work associated with a change of building use, or
- A fire safety order.

The fire safety schedule will also identify standard of performance for each essential fire safety measure.



18 August 2009 Our ref: AJ10-5442 ASJ:sb NSW Office PO Box 737 Balgowlah, NSW 2093

Unit 6, 252 Allambie Road, Allambie Heights, NSW 2100

> Phone: (02) 9907 0700 Fax: (02) 9907 0728

QLD Office PO Box 562 Virginia BC, QLD 4014

Unit 5, 10 Fortune Street Geebung, QLD 4034

Phone: (07) 3265 7781 Fax: (07) 3265 5976

1 9 VIE 2003

Mr. Gareth Wynne FDC Construction & Fitout 22-24 Junction Street FOREST LODGE NSW 2037

Dear Gareth,

STATEMENT OF INSTALLATION COMPLIANCE RE: THE IVANHOE HOTEL MANLY

This is to verify that the Fire Stopping Materials listed below have been installed to the manufacturer's design & details and tested in accordance with AS1530.4-2005 Fire Resistance Test of Elements of Building Construction, AS4072.1-2005 and BCA Clause C3.15, providing a 120/120/120 FRL, (unless noted otherwise).

AREAS OF INSTALLATION:

LEVEL/AREA	METHOD USED	FRL	TEST REF.
GROUND FLOOR			
To fire spray nominated	Cafco 300 Fire Spray	120/-/-	BRANZ FRS414
BASEMENT LEVEL			
To fire seal nominated wall penetration containing Beer Pythons and PVC pipes	Firepro Pipe Wraps B305	-/180/180	Branz FP2210
	Hilti Intumescent CP611A Sealant	-/180/180	FSP 0670
	Trafalgar Fyreset mortar wall penetrations	-/180/-	Fire Research Pty Ltd NI 3589

An inspection of the above was carried out on Tuesday 11th August 2009. No responsibility will be taken for alterations, additions and/or damage caused by other persons since the date of inspection.

The information contained in this document is, to the best of my knowledge and belief, true and accurate.

For and on behalf of Fire Stopping Pty Ltd

A. ST./M

Andrew St. John SUPERVISOR



PO BOX 252, BALGOWLAH NSW 2093 MOBILE 0418225778 OFFICE 02 9949 7250 FAX 02 9949 3520 EMAIL nekode@bigpond.net.au

FDC Construction & Fitout Pty Ltd 22-24 Junction Street FOREST LODGE NSW 2037

03/09/2009

ELECTRICAL CERTIFICATION

Dear Sir/Madam

RE: THE IVANHOE HOTEL, 29 THE CORSO MANLY

It is conveyed that I, Phillip Fagan of Fagan's Electrics, hereby certify that the following works/installations have been performed by myself and comply with the standards specified.

WIRING; all new wiring complies with the requirements of AS/NZS 3000:2000 and with the relevant building codes.

P. G. Farge

PHILLIP FAGAN Licence No EC28761 for and on behalf of NEKODE PTY LTD T/A FAGANS ELECTRICS



Certificate No: AF1028

FIRE DOOR CERTIFICATE

Project Name:	lanhoe Hotel Manly
Address:	27 The Corso, Manly
Builder:	FDC Constructions & Fitout Pty Ltd

Ausco Firestop Pty Ltd certifies that the Fire Doorsets for the above project have been inspected and labelled as required by the appropriate regulatory authorities in accordance with Australian/New Zealand standards AS/NZS 1905 Part 1 in respect to the Evidence of Compliance at Clause 6.3 or 6.4, BCA Clause 3.8 as appropriate, and Australian/New Zealand Standards.

AS/NZS	1530.4	Method for the test of building materials, component and structures, Part 4: Fire Resistance test of elements of building constructions.					
AS/NZS	1905.1	Components for the protection of openings in Fire Resistants walls, Part 1: Fire resistant doorsets.					
Loctaion	l	Rating	Tag No.				
Ivanhoe	Hotel	-/240/30	AF. 40450				
Ivanhoe	Hotel	-/240/30	AF. 40451				



Signature:

Name of Certifier:

Dane Russell

Date of Certificate:

2nd September 2009

AUSCO FIRESTOP PTY LTD ABN 23 057 078 592 UNIT 2, 7-9 GALLIPOLI STREET, SMEATON GRANGE, NSW 2567 PO BOX 3446, NARELLAN DC, NARELLAN NSW 2567 AUSTRALIA PHONE: (02) 4648 3336 FAX: (02) 4648 3396 EMAIL: ausco@auscofirestop.com.au

Distributors of Pyropanel® Fire Rated Products



FDC Construction & Fitout Pty Ltd ABN 44 120 295 034 22-24 Junction Street Forest lodge NSW 2037 P.O. Box 425 Camperdown NSW 1450 Telephone: 02 9566 2800 Focsimile: 02 9566 2922 Website: www.fdcbuilding.com.au



3rd September 2009

Dix Gardner Pty Ltd Level 4, 155 Castlereagh St Sydney NSW 2000

Attention: Carl Parkinson

Re: Ivanhoe Hotel 29 The Corso, Manly

Dear Carl,

In reference to the above building it will utilize the existing Hose Reel and Hydrant. The Hydrant is located in Market lane between 29 and 30 The Corso Manly.

The Hose Reel is compliant with AS2441 and Hydrant is compliant with AS2419.

Yours sincerely

lað

Gareth Wynne Project Manager FDC Construction & Fitout Pty Ltd



COMPUTER AIR PTY LTD A.B.N. 77 002 419 543 94 SOUTH STREET, RYDALMERE 2116

PHONE: (02) 9638 6100 FAX: (02) 9638 4648

POSTAL ADDRESS PO BOX 114, RYDALMERE BC 2116

CPN7958

August 25th, 2009

FDC Construction & Fitout Pty Ltd 22-24 Junction Street Forest Lodge NSW 2037

ATTENTION: Josh Cottle

Dear Josh,

RE: Ivanhoe Hotel - 27 The Corso Manly - part ground floor fitout.

We herby certify that the new Mechanical Air Conditioning Systems and alterations installed at the above address has been installed as per the design specification, and complies and performs in accordance with the Local Government Act, AS 1668.1 and 2 and the BCA parts J4 & J5.

We trust that the information contained herein is to your requirements, but should you require further details or clarification, please do not hesitate to contact the undersigned.

Yours faithfully,

COMPUTER AIR

Wayne Cannings Project Engineer

r Comp Hur r Arecision r Fasarr.

+ Nale birch + fire sloping + Bredon \$ Jolly.

Fire Safety Certificate Issued under the Environmental Planning and Assessment Regulation 2000, Clauses 170 to 174

Type of Certificate

Owner / Agent

Address

X	Interim	Final	
١,	Wayne Car	inings - Computer Air	
of	94 South	. St Rydolmere NSW 2116	
Cet	tify that:		

each of the essential fire safety measures specified in the current fire safety schedule for the building to which the certificate relates:

a) has been assessed by a properly qualified person, and

b) was found, when it was assessed, to be capable of performing to at least the standard required by the current fire safety schedule for the building for which the certificate is issued.

identification of Building

Sireet	No 29 (ground floor part) The Corso, Manly		
House/Unit No. or Building Name	······································		
Side of Street			
Nearest Cross Street			· · · · · · · · · · · · · · · · · · ·
Particulars of Building			
Scope	U Whole		Part
Description of Part (where applicable)	Ground floor p	part to	No 29 The Corso, Manly
House/Unit No. or Building Name			
Date of Assessment			
Owner's Details			
Name			

Essential Flie and other onlery measures	
A/C Trip	Standard of Performance to be obtained from Building Management
Automatic fire suppression system (sprinklers) Occupant Warning System	BCA Spec. E1.5, Clause 8 and AS 2118-1982/1999, BCA Spec E2.2a & E2.2b (ground floor part for the Ivannoe Hotel)
Emergency Lighting	BCA Clauses E4:2/E4.4 & AS 2293.1- 1987/2005.
Exit Signs (illuminated)	BCA Clauses E4.6/NSW E4.6/E4.8 and AS-2293.1-1987/2005
Fire Alarm Communication Link	AS 1670.3-1997 & AS 4428.6-1997
	AS1670 1-2004, BCA CI C3.5 - (Broke detectors for automatic closing

(5)

5

	of fire doors to fire walls)
Fire doors	BCA CI C3.8, C3.5 (Fire doors to firewalls) and AS1905.1-1982/2005
Fire seals (protecting openings in fire resisting components of the building)	Standard of Performance to be obtained from Building Management.
	BCA-CIC3.15
Fire Hydrant systems (Street fire Hydrant)	BCA CI E1.3 & AS2419.1-2005
Hose reel system	BCA Clause E1:4 & AS 2441- 1988/2005
Mechanical air handling system	BCA CI E2.2 (Shutdown), F4.5(b) & AS1668.1/2 -1998/1991
Paths of travel for stainways & Passageways	EP&A Regulations 2000, clauses 184- 186
Portable fire extinguishere & Fire Blankets	BCA Clause E1:6 and AS 2444- 1995/2001

Date of Certificate

dated this day of

25/8/09

Signature

owner/agent

6

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 Brigades.

A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building.

 \bigcirc



BREDEN & JOLLY PTY LTD ACN 058 435 886 Licensed Commercial, Industrial, Domestic Plumbers & Builders ABN 83 058 435 886

25th August 2009

FDC Construction & Fitout Pty Ltd PO Box 425 CAMPERDOWN NSW 1450

ATTENTION: MR G WYNNE REFERENCE: THE IVANHOE HOTEL, MANLY JOB NO: 13509

Dear Sir,

We wish to confirm that all works were carried out in accordance with the following standards.

AS/NZS 3500.1.1 – 1998 Water Supply – Performance Requirements.

AS/NZS 3500.1.2:1998 Water Supply – Acceptable Solutions.

AS/NZS 3500.2.1 – 1996 Sanitary Plumbing and Drainage – Performance Requirements.

AS/NZS 3500.2.2:1996 Sanitary Plumbing and Drainage – Acceptable Solutions

Trusting the above meets your approval.

Yours faithfully

J BREDEN DIRECTOR



Metal and Membrane Roofers • Building Reports • Vacuum Sewerage Systems 38 Robert Street, Rozelle NSW 2039 Australia Telephone (02) 9555 1691 • Facsimile (02) 9555 8632 • Email: breden@czemail.com.au *Contractor Licence Number 42608C*



Waddington Consulting Pty Ltd

ACN 130 522 851 Structural and Civil Engineering Suite 506, Level 5 22 Central Ave, Manly NSW P.O. Box 1044 Manly NSW 1655

3 September 2009

P (02) 9976 0070 F (02) 9976 0095

Hilrok Property Group Pty Ltd 15 The Corso Manly NSW

c/o Paul Kelly Design 77 Bay St Glebe NSW 2039

Attention: Mr Paul Kelly

Dear Paul,

Subject: Alterations (Stage 1) at the Ivanhoe Hotel, 27 The Corso, Manly ENGINEERS CERTIFICATE FOR INSPECTIONS

I certify that I carried out the critical stage inspections of the structural work listed below for the stage 1 of the current alterations and additions at the above address and that at the time of the inspection the structure appeared to be in accordance with the design intent of the structural details provided.

During construction, inspections were carried out on the following structural elements.

- Structural steelwork to strengthen an existing concrete column on ground floor level
- Structural steel work to support a proposed large television
- Structural steel framing for front and rear façade at ground floor level
- Structural steel framing to support a new feature ceiling
- Reinforced concrete blockwall and slab surrounding fire door to achieve necessary fire rating

This certificate assumes the construction was carried out by a licensed builder who has experience in this type of work. The above inspections do not, in any way whatsoever, relieve the builder of his responsibility. The concrete topping slabs were not inspected as we were not advised that the steel reinforcement was ready for inspection. These topping slabs however were 'non-structural' and the steel reinforcement was for shrinkage purposes only. Lintel

The above inspections do not include inspections for contract administration purposes (e.g. progress payments), cosmetic matters and work that, once the competence of the builder has been established, is reasonable for the builder to supervise.

Yours sincerely,

Sinie liketigt

Simon Waddington MIEAust CPEng NPER (Structural) Director Waddington Consulting Pty Ltd



Installation Certification Services Component

ADDRESS:	The Co	rso, Manly				
PROJECT:	The Iva	nhoe Hotel, Stag	ie 1			
I,	Jer	emy Breden ^(Name) 38 Robert St,	of Rozelle	Bred NSW 2039	en & Jolly (Firm)	y Pty Ltd
Qualifications	Licenc	e No: 22765S	10010357			
and	Contra	ctors Authority	No: 426	08C		
Experience:						
Phone Numbers:	Bus:	9555 1691	Fax:	9555 8632	Mob:	0425 277500
Hereby certify						
That the	Plumb	ing works carrie	ed out b	y Breden & J	olly Pty	Ltd
have been inst	alled and	commissioned /	tested to	comply with:		
a.	The relev	vant clauses of th	ne Buildir	ng Codes of A	ustralia,	as follows:
b.	The relev Australia	The relevant Australian Standards listed in the Building Code of Australia (Specification A1.3) as follows:				
с.	The follo	wing additional A	ustraliar	n Standards (i	f applicat	ole): AS:3500
d.	Other pra Condition NSW	actices, standards ns relied upon for	s, reports this cert	s or relevant I lification: Plur	Developn nbing st	nent Consent andards
e.	Exclusion	ns: NIL				
Signature:		11-eat		· ·		
		······································				
				Date:	25/08/20	09

GROSVENOR Solutions in Glass

26th August 2009 FDC Construction & Fit-out Pty Ltd 22-24 Junction Street Forest Lodge NSW 2037 Attention: Mr. Josh Cottle

Certificate of Compliance

For

BCA Section J2.4 Compliance

Project:

Ivanhoe Hotel

Ref Job No. 4149

23-29 The Corso, Manly NSW 2095

It is hereby certified that the glass work by Grosvenor Australia Pty Ltd for the abovementioned project has been installed in accordance with BCA Section J2.4 Compliance.

The Clear Laminated safety glass has been glazed using generally accepted codes of practice principals based on drawings & details provided by the architect, taking into account all of the relevant provisions contained within the standards listed above.

Trusting the above meets with your approval, we remain

Yours Faithfully

Grosvenor Australia Pty Ltd

Sam Kikitis

Director

Grosvenor Glass | 59a Garema Circuit, Kingsgrove NSW 2208 | Ph: +61 2 9758 2400 Fax: +61 2 9758 2411 | www.grosvenorglass.com.au

INSTALLATION / INSPECTION CERTIFICATE – Glass Installation

Site Details:	Ivanhoe Hotel				
Level/Unit/Shop no.	Ground	Street no. / Street name:		23-29 The	Corso
Suburb:	Manly	State:	NSW	Postcode:	2095
Description of Work:	External Shopfro	onts & Do	ors		

Certification:

٤

ltem No	Proposed items of Work or Services installed, implemented and/or constructed in the building/development.	Ententhe Intended design standard of performance (eg: BCA E2.2: AS1668.1, or DA Consent Condition No., etc) (Refer to relevant version of Australian Standards and Other standards of performance applicable to this project.)
1.	Glass Installation	AS 1288 - 2006

I, the undersigned, certify that:

a. The above work / services have been installed in the above building or development in accordance with design documentations and the relevant provisions of the Building Code of Australia, the relevant Australian Standards and manufacturers' specifications (where appropriate),

I also certify that I am an appropriately qualified and competent person practising in the relevant area of work. I have recognised relevant experience in the area of work being certified. Grosvenor Australia Pty Ltd is holding appropriate current insurance policy to the satisfaction of the building owner or the principal authorising the installation work being certified.

The following details must be provided in full:

Name:	Sam Kikitis			Qualification:		13 Years Experience	
Company Name:	Grosvenor Au	Istralia Pty Ltd	······	ABN No:		70 003 332 376	
Company Address:	59A Garema Circuit, Kingsgrove; NSW,			, 2208 Tel:		02 9758 2400	
Signature:	hkg		Posit	ion Title:	Director		
· · ·			Date	Date:		26 th August 2009	



LETTER OF COMPLIANCE

Att: Carl Parkinson

Dix Gardner Level 4, 155 Castlereagh Street Sydney NSW 2000

REF: IVANHOE OF MANLY HOTEL PHASE 1 SECTION J.

Wednesday the 26th August, 2009.

Carl,

In response to your request for section J compliance to the new works at the Ivanhoe of Manly Hotel, we believe that section J to the glazing does not apply to this project for the following reasons.

- 1. The new glazing is South East Facing, with a 2 storey building over.
- 2. The new glazing (The Corso) is under an awning that provides approx 4000mm of coverage to the complete width and beyond of the new facade.
- 3. No glazing is installed to the rear (market lane) as this is an outdoor smoking area.

If you have any further queries, please do not hesitate to contact....

Yours Faithfully,

Paul Kelly - Paul Kelly Design

www.paulkellydesign.com.au

77 Bay Street, Glebe NSW 2037 Australia. Phone (02) 9660 8299 facsimile: (02) 9660 8499



LETTER OF COMPLIANCE

Att: Carl Parkinson Dix Gardner Level 4, 155 Castlereagh Street Sydney NSW 2000

REF: IVANHOE OF MANLY HOTEL PHASE 1 SLIP RESISTANCE FLOORS.

Wednesday the 26th August, 2009.

Carl,

In response to your IOC checklist we confirm the following.

The new flooring installed to the Ivanhoe of Manly has been designed and installed to comply with the slip resistance levels of AS3661, AS4585 and AS4663 (as applicable).

If you have any further queries, please do not hesitate to contact.

Yours Faithfully,

Paul Kelly - Paul Kelly Design

www.paulkellydesign.com.au

77 Bay Street, Glebe NSW 2037 Australia. Phone (02) 9660 8299 facsimile: (02) 9660 8499

Certificate of Assessment

HF07ANK4590

No. 624

"Copyright CSIRO 2005 ©" Copying or alteration of this report without written authorisation from CSIRO is forbidden.

This is to certify that the specimen described below was tested by the CSIRO Division of Manufacturing and Infrastructure Technology in accordance with Australian/ New Zealand Standard 3837, Method of test for heat and smoke release rates for materials and products using an oxygen consumption calorimeter, 1998, at 50 kW/m², on behalf of:

The Laminex Group 90-94 Tram Road, DONCASTER VIC AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNK 0301.

SAMPLE IDENTIFICATION: Squareform Laminate

DESCRIPTION OF SAMPLE:

The sponsor described the tested specimen as kraft paper core containing phenolic resin finished with a melamine face.

Nominal thickness: Nominal total mass: Colour: 0.5 mm 0.6 kg/m² white

SAMPLE CLASSIFICATION:

Group Number: Group 1 (In accordance with Specification A2.4 of the Building Code of Australia.)

Average specific extinction area: 46.4 m²/kg (Refer to Specification C1.10a section 3(c) of the Building Code of Australia.)

Testing Officer:

Russell Collins

Dates of Test:

30 March 2005, 14 April 2005

Issued on the 10th day of May 2005 without alterations or additions.

Collini

Garry E Collins Manager, Fire Testing and Assessments



This laboratory is accredited (Accreditation No. 3632) by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its terms of accreditation.



CSIRO Manufacturing & Infrastructure Technology 14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA Telephone: 61 2 9490 5444 Facsimile: 61 2 9490 5555



CERTIFICATE OF FIRE RETARDANCY

CERTIFICATION IS HEREBY MADE THAT THE ARTICLE DESCRIBED HEREUNDER HAVE BEEN TREATED WITH A FLAME RETARDANT CHEMICAL AND THE TESTED ARTICLES COMPLY WITH AND SATISFY THE REQUIREMENTS AS SPECIFIED.

DATE:	:	010/07/2009
CLIENT:		BERWICK COMMERCIAL INTERIORS
AMOUNT TREATED:		32.0 METRES
USEAGE:		PUBLIC AREA
FABRIC:		TAHATI PACIFIC
COMPOSITION:		SYNTHETIC BLEND
PROCESS USED:		FLAME FIX F

As we do not have control over future use or handling after treatment, no responsibility is accepted in respect of that use or handling.

AS 1530 PARTS 2 AND 3

COMPANY REPRESENTATIVE

ACCEPTANCE OF THIS CERTIFICATE FOR THE ABOVE MENTIONED IS AT THE DISCRETION OF THE RELEVANT GOVERNMENT AUTHORITY. TH COMPANY ACCEPTS NO LIABILITY REGARDING THEIR DECISION.

MAINTENANCE OF FURNITURE

As you have taken the precaution to have your furniture treated with Safe-Gard Fabric Protector you will be aware that soiling can occur readily and regular maintenance is a good preventative. Upholstery should be vacuumed on a regular basis to remove dust and particles and prevent a build up of soilage on your upholstery.

Before using any cleaning method, pre-test on a hidden area of the upholstery to be cleaned. Remember DO NOT RUB at your fabric as this will damage the fibres. Use cleaning methods a small amount at a time. Do not overwet any areas. Call Safe-Gard immediately you have a problem stain.

Type of Stain	Cleaning Solution
Oil, Margarine, Butter cooking oil, etc.	Use a safe solvent spot & stain remover or safe solvent.
Soft drink, alcoholic drinks, candy and water soluble spills	Use a solution of: one tablespoon mild detergent, one tablespoon white vinegar in 500ml of water.
For a stain of a combination of both oil and water base	Use both cleaning solutions – first to dilute the oil and second to dilute the water.

Cleaning Technique:

- 1. If a liquid spillage, use a dry sponge or dry, clean cloth to absorb the spill. Place the sponge on top of the spill and let the spill absorb into it. Clean the sponge or cloth and reapply to the spill with a little pressure. Repeat until as much of the stain as possible is removed, then use one of the cleaning solutions as above or a proprietary brand spot and stain remover. DO NOT RUB.
- If the spill is a solid or semi-solid, scrape with a spoon or blunt edge of a knife to remove as much as possible, then spot using one of the above suggested cleaning solutions or a proprietary band spot cleaner. DO NOT RUB.

You will notice on tight weave fabrics the fabric protector will cause liquid spills to bead on the surface. After use fibres of your fabric relax thereby allowing spills to enter into the fabric however the fibres still remain coated with the protector. Open weave fabrics liquids do not bead as spills enter between the fibres, these fibres however are coated with the protector. Simply apply clean absorbent sponge to spill and apply light pressure to remove spill from fabric.

PLEASE RETURN TO:

SAFE-GARD P.O. BOX 427 BERWICK, 3806

SAFE-GARD CUSTOMER GUARANTEE SAFE-GARD PROTECTIVE TREATMENTS

Safe-Gard Protective Treatments warrants the original purchaser of the furniture, that if the furniture has been professionally treated and correct application methods applied Safe-Gard Protector will continue to impart repellent characteristics to furniture fabrics treated with the product for a period of up to 5 years or for the life of the fabric (5 year maximum).

If during the period of the guarantee it is determined by the supplier that the fabric protector is not effective then the supplier or applicator will retreat the ineffective area free of charge.

The purchaser hereby agrees that the guarantee shall be void if it is determined that maintenance procedures as directed by the supplier within this guarantee are not strictly adhered to by the purchaser in the care of their furniture.

The Fabric Protector will not have a harmful effect on any fabric commonly used in the manufacture of furniture provided that the fabric is not affected by a chemical reaction and that no finishing agents remain in the fabric from the manufacturers.

Should stains remain after using recommended methods of cleaning, Safe-Gard Protective Treatments will provide cleaning advice - provide appropriate cleaning product professionally remove stain at no charge and if unable to remove stain, will recover the stained area of fabric, dye lots being matched if available. Mattresses will be cleaned only:

This guarantee covers stains from domestic spills and should not be construed as a cleaning contract. The guarantee does not cover general day to day soiling from use, damage caused by cleaning products not recommended by Safe-Gard, flaws in fabric, fading, noncolourfast material, upholstery which has not been properly maintained, dye transfer from non-colourfast fabrics. The guarantee is not valid for furniture stored, on loan, rental furniture, damage caused by vandalism or wilful damage.

<u>s</u>	
	STORE Bases ca Commande La rente
	DATE 10-7. 2009
	TYPE OF FABRIC TONIA = TEAC 32-7-5
8.4 2	APPLICATORS NAME
	TREATED BY (SIGN)
	PURCHASERS NAME AND ADDRESS
1	
	PURCHASERS SIGNATURE
	This Warranty is void unless the date and applicators signature is indorsed hereon. This section must be returned within 14 days of application or warranty becomes void.



Certificate of Assessment

No. 973 "Copyright CSIRO 2008 ©"

We have examined information submitted to us and appraised the suitability of the use of wool and some wool/nylon carpets, in Class 2 to 9 buildings without further fire testing to AS ISO 9239, Part 1, on behalf of:

Carpet Institute of Australia Limited Level 2, 20 Queens Road MELBOURNE VIC 3004

CSIRO Manufacturing and Materials Technology's Report CMMT(C)-2007 -120 (RevAA) describes a fire engineering assessment conducted to evaluate the compliance of the carpets with the BCA requirements. A statistical analysis was performed based on 198 test reports of tests to AS ISO 9239.1 from NATA or ILAC accredited test laboratories.

PRODUCT NAME & DESCRIPTION: 100% wool and wool/nylon blend carpet with no more than 20% nylon; of Total Pile Mass (TPM) no less than 1060g/m²; and limited to particular construction types and underlay combinations as described in the CSIRO report. This report is valid for carpet of the above description manufactured by Brintons, Feltex Carpets, Godfrey Hirst Australia, Quest Carpets, Tascot, Tuftmaster Carpets, Victoria Carpets, Cavalier Bremworth, Chaparral Carpet Mills and Supertuft. The assessment does not apply to:

- carpet of pile material other than wool/nylon
- carpet tiles
- PVC backed carpet
- carpet laid over FR Rubber.

CONCLUSION:

The 'Critical Radiant Flux' (CRF) and Maximum 'Smoke Development Rate' (SDR) of certain wool rich carpets will satisfy Performance Requirement CP 4 of the BCA 2007 without further testing. The conclusion is limited to the values achieved by construction types assessed and listed in the table below. Refer to the CSIRO report CMMT(C)-2007 -120 (Rev AA) fire engineering assessment for the full descriptions of the limitations.

Installation	Underlay	TPM	CRF	(kW/m ²) by	y Pile Type		SDR
Method	Underlay	(g/m²)	All	Loop	Cut/Loop	Cut	(%.min)
Direct Stick	Nil	All	4.5				750
Conventional	Rubber, Felt, Reconstituted Fibre, Rebond Foam	All	2.2				750
	Reconstituted	<1200		4.5	4.5	2.2	750
	Fibre	<u>></u> 1200	4.5				750
Double Bond	ODD Lefer	<2000	4.5				750
	SON LALEX	<u>>2000</u>	2.2				750
1	Rebond Foam	All		4.5	4.5	2.2	750

Issued on 21st October 2008 without alterations or additions. This Certificate will expire on 21st October 2013. This certificate is issued in conjunction with CSIRO report number CMMT(C)-2007-120 (Rev AA), and must not be used separately to that report.

Alex K Webb Fire Engineering Assessments



CSIRO Materials Science and Engineering 14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA

Telephone: 61 2 9490 5444 Facsimile:61 2 9490 5555

CERTIFICATE Customer: Hughes Commercial Furniture Address: Mail Bag 1 .Queanbeyan DC NSW 2620

Certification is hereby made that the articles described below have been treated with Flamefix F Flame Retardant. The treated articles comply with the requirements for early fire hazard properties of materials with reference to the Building Code of Australia, specification C1.10 Clauses 2(b), 4 and 6. Materials are tested to Australian Standard's AS1530 parts 2 and 3 by a NATA approved facility. Performance Indices; Smoke Evolved less than 5, Spread of Flame 0.

DESCRIPTION OF TREATED MATERIAL

Order No.: 4217

z.#

Invoice No.: 18798

Certificate No.: 827

Project/Client:

Fabric Quantity/ Design/ Colour as follows:

1. 16m x Mokum Zimmer Rhode Ray

2. XXXXXXXXXX

3. XXXXXXXXXXX

4. XXXXXXXXXX

Total Quantity: 16. metres Date Treated: 14-08-2009

FLAME FREE PTY LTD

*(A) As we do not have control over all future use and/or handling of all of the above once we have effected the treatment, no responsibility is accepted in respect of that use or handling.

(B) Acceptance of this certification for the above treatment is at the discretion of the relevant Government Authority. No liability regarding their discretion is accepted by this company.



26 Robertson Street, Kensington, Victoria 3031 P.O. Box 240 North Melbourne, Victoria 3051 Phone (03) 9371 2126 Fax (03) 9371 2102 Australian Wool Testing Authority Ltd - A.C.N. 006 014 106 trading as AWTA Textile Testing

TEST REPORT

	ING SYSTEMS	TEST NUMBER	.:	7-4/8215-CV
		DATE	:	24/08/98
		ORDER NUMBER	1 1	2864M
· · · · · ·			•	
· · · · · · · ·			•	
			÷	ا های از مین مین در از معنی می از مان از معنی معنی معنی معنی معنی معنی معنی معنی
		· · · · · · · · · · · · ·	: :	
SAMPLE DESCRIPTION E	NTRANCE MATTING SAMPLE		• •	
RJ	EF: DURAMAT/RUBBER/ALUMINIUM			
			· • 7.	ne fills and the second se
			۰. • • • •	
	استعادی کاری در این این این این از این	المراجع والمحاج والمحاج	• •	
			<u>,</u> ,	
		· · · · · · · · · · · · · · · · · · ·	· · · · ·	ا میں میں ایک المیکھیں آ کے بھی آر آئے۔ دیکھیوں ایک آئے اور میں ایک میں میں ایک
				ایا دورد داران محمد را در معمور را در محمد در در معمور
AS 1530.3-1989	EARLY FIRE HAZARD GUIDANCE TEST	Ē.,		
MODIFIED NUMBER*		المعروب المحتور أن الاحتاج الأكام والحال المستق	÷ 1 [°]	
OF SAMPLES TESTED	and a second and a s		- * - 3 F	
	THIS TEST IS FOR GUIDANCE ONLY		• • • •	
			*	
and the second	A PRIMICEN NUMBER OF SPECTMENS			الاست میں در ایک میں بر اور اور اور اور اور اور اور اور اور او
۳ ه ه ه ه م م م م م م م م م م م م م م م	DOUTOR CHITDMAR OF STREIMING /	TTTERT	MAA	
	CROATDR ODTOWNON MECHED	i niveni Likkov	1. Territ	
	OF THE PRODUCT ISSIED		•••	
	SPECIFIEN	· • • • • • • • • • • • • • • • • • • •	• · · · · · · · · · · · · · · · · · · ·	
	TANTIADTT THE THINK	10 10		
	LGN1TABILLITI INUBX	14, * 15 , *		RANGE, U-20
المحمد الأدبور أنبيتها الم				
	DOGAD OF FLAME TIMEY	-		PANCE 0-10
	SPREAD OF FLAME INDEX	7 6		RANGE 0-10
	SPREAD OF FLAME INDEX	7 6		RANGE 0-10
	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX	7 6 5 4	د به د ه به د م به د م به د	RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX	7 6	معرب م معرب م محسب م مسرب م مسرب م	RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT ÉVOLVED INDEX SMOKE DEVELOPED INDEX	7 6 5 4 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT ÉVOLVED INDEX SMOKE DEVELOPED INDEX	7 6 5 4 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT ÉVOLVED INDEX SMOKE DEVELOPED INDEX FWO SPECIMENS ONLY WERE TESTED	7 6 5 4 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT ÉVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED	7 6 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED	5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED	5 4 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
i Bach Trst. Specimen w	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FR	7 6 5 4 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
Each Test Specimen W Layer of Gatvanised 1	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX. IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI	7 6 5 4 5 4 4 5 4		RANGE 0-10 RANGE 0-10 RANGE 0-10
BACH TEST SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.81	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI NM AND NOMINAL SPACE 12mm IN BO	7 6 5 4 5 4 KE 5 4 6 8 7 6		RANGE 0-10 RANGE 0-10 RANGE 0-10
RACH TEST SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.81 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WEIDED SQUARE MESH MADE FROM WI ME AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 KE BY A TRE-OF		RANGE 0-10 RANGE 0-10 RANGE 0-10
EACH TEST SPECIMEN W LAYER OF GALVANISED NOMINAL DIAMETER 0.38 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX INO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI ME AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 4 8 4 8 8 8 9 7 8	""""""""""""""""""""""""""""""""""""""	RANGE 0-10 RANGE 0-10 RANGE 0-10
BACH TEST. SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.81 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI WM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 8 8 8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9		RANGE 0-10 RANGE 0-10 RANGE 0-10
BACH TEST SPECIMEN W IAYER OF GALVANISED V NOMINAL DIAMETER 0.8 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WEIDED SQUARE MESH MADE FROM WI IM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 8 4 8 8 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 7 8 9 8 8 9 8 9	· · · · · · · · · · · · · · · · · · ·	RANGE 0-10 RANGE 0-10
EACH TEST SPECIMEN W IAYER OF GALVANISED Y NOMINAL DIAMETER 0.81 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WEIDED SQUARE MESH MADE FROM WI IM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 4 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	""""""""""""""""""""""""""""""""""""""	RANGE 0-10 RANGE 0-10
EACH TEST SPECIMEN W IAYER OF GALVANISED V NOMINAL DIAMETER 0.3r DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX FWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA AKIDED SQUARE MESH MADE FROM WI IM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 8 4 8 8 8 9 7	· 1941年,1941年,1941年,1941年年,1941年年,1941年,1941年,1941年,1941年,1941年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年年,1941年	RANGE 0-10 RANGE 0-10
BACH TEST SPECIMEN W IAYER OF GALVANISED Y NOMINAL DIAMETER 0.3 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX. IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI WE AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	7 6 5 4 5 4 8 4 8 4 8 8 9 7 8	""""""""""""""""""""""""""""""""""""""	RANGE 0-10 RANGE 0-10 RANGE 0-10
BACH TEST SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.31 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX. IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI NM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	5 4 5 4 5 4 8 4 8 4 8 4 8 5	""""""""""""""""""""""""""""""""""""""	RANGE 0-10 RANGE 0-10 RANGE 0-10
FACH TEST SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.31 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX. IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI IM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	5 4 5 4 5 4 5 4 7 6	· · · · · · · · · · · · · · · · · · ·	RANGE 0-10 RANGE 0-10 RANGE 0-10
BACH TEST SPECIMEN W LAYER OF GALVANISED V NOMINAL DIAMETER 0.31 DIRECTIONS AND THE AS	SPREAD OF FLAME INDEX HEAT EVOLVED INDEX SMOKE DEVELOPED INDEX IWO SPECIMENS ONLY WERE TESTED AS RESTRAINED ON THE EXPOSED FA AS RESTRAINED ON THE EXPOSED FA WELDED SQUARE MESH MADE FROM WI WM AND NOMINAL SPACE 12mm IN BO SSEMBLY CLAMPED ALONG ALL SIDES	5 4 5 4 5 4 5 4 7 6	· · · · · · · · · · · · · · · · · · ·	RANGE 0-10 RANGE 0-10

,. . .

THE SAMPLE AND DESCRIPTION ARE PROVIDED BY THE CLIENT. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested sample. The above test results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY. 1

This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the name AWTA Textile Testing or 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.

n Karroll

1

i

AUTHORISED SIGNATORY



D.J. WARD B.Sc., M.A.LA.S.

MANAGING DIRECTOR

ø



Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N. 43 006 014 106 1st Floor, 191 Racecourse Road, Flemington, Victoria 3031

P.O. Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT



Australian Wool Testing Authority Ltd Copyright - All Rights Reserved



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

Accreditation No. 983 985 Accreditation No. Accreditation No. 1356

MCHAC

JACKSON 8.Sc. (Hens)

AGING DIRECTOR

This document is issued in accordance with NATA's accreditation requirements. Samples, and their This document is issued in accordance with NATA's accreditation requirements, 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 Product Testing and AWTA Ltd may be used in durated the control of the control to the source of the set of the source test tested. have been approved in advance by the advertising providing the content and format of the advertis Managing Director of AWTA Ltd. andolac



. . . . Liteve read and and and one the contentions which epoly to the unitable the Marker Comets Heconom Double Bond Rebonded Fire Court Carpet Installation Delais in the filer out by the floring An providentation, and some part installing the Camplet Installing SBR Dail Method of Instellation & Underlay Type (Select or invited " certury that the carpet detailed in this application will be in Minimum Caticul Radiant Pluk (CRF) value oblained for system abounding to the Lethicate of Assessment The production is balance for the carget instrate of Australia United (DAL) that carbonized by the Abboulkinned and the Dalating Pureta Apple.ord. Carbonized in the subject of the production of the solution of the subject of the production of the subject of the production of the pr Minimuti Chr reaction for this Insulation Non-Astrad ačkording ter iš UA, Subech, anum OT 1 San 🔬 Direct Stick 0 NOR as includent of the opecited local on Luanhae (their Local kan of Carost antenation Building Parant Applicant Anitalistics Company Building Classifuth uses Pressins and Farm Installation Details Rebonded Foars Unsprinktened **CSINO** report and Conventional Schwedd booe Signed ACCS Registered Carpet Quelity Number \underline{CSLSS} it exprisedies CSIRO report and certificate, as set out in the Carbet Institute document. 5 to the CSIRO Certificate of Assessment No: 373 and Fire Engineering Carpet installation requesting acceptance without resting by reference have read and accepted the constitutes which apply to my use of the Carpet Manufacturer Details In be filed out by the Manufacturer ARRETS (g/m³) (Range 1060-3000 g/m³) Curroon . :: . Date: 2 NELLINGTON WYOU INTER 20%) Assessment Report Nor CMMTICH2007-120 (Rev AA). % Week (Min 80%) _____ 0 X 0 X ACCS Licence No Manutectured By accompanying this Carpet Details Carpet Name Fibre Content Manufacfurer Pile Type: Signed 化化化一级 经成为了改变 Installation Pro forma De parts barren andre will serve PO BOX 7137 V. Make R. ML heelbootre VI, ora 6534 Ter XX, 960a 4.03 Fex XX, 940a 760 AUSTRALIA **JIDINEN UJTED** Carpet Details CARPE - Qf -2633 72

۰,

Rapporto di Prova Mod DPRO34/0

DATE : 2/09/2009

Technical data articles : Sundance

Our articles used combined with a PU filling standard not flame retardant with a density of 21/Kg/m³, fulfill the following inquiry:

European standard EN 1021-1

Furniture - Assessment of the ignitability of upholstered Furniture - Ignition source: Smouldering cigarette (ISO 8191-1:1987 modified)

European standard EN 1021-2 Furniture - Assessment of the ignitability of upholstered Furniture - Ignition source: Match flame equivalent (ISO 8191-2:1988 modified)

Head of Laboratory

for Transom

Page 1 of 1

	Rapporto di Prova	я
	Mod DPRO34/0	

DATE : 2/09/2009

Technical data articles : Sundance

Our articles used combined with a PU filling standard not flame retardant with a density of 21/Kg/m³, fulfill the following inquiry:

European standard EN 1021-1 Furniture - Assessment of the ignitability of upholstered Furniture - Ignition source: Smouldering cigarette (ISO 8191-1:1987 modified)

European standard EN 1021-2 Furniture - Assessment of the ignitability of upholstered Furniture - Ignition source: Match flame equivalent (ISO 8191-2:1988 modified)

Head of Laboratory

four Transon

Page 1 of 1



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

Registered Testing Authority - Building Code of Australia

28 April 2006

Our Ref. EN13 / 485 03/0212

33°

С

TEST REPORT No. 3541.1s

Requested by: on (date): Manufacturer: Product Desc.:	Malaysian Mosaics Berhad 21 April 2006 Malaysian Mosaics Berhad Ridges Series, Colour J23 (Black, ASC), 300 x 600mm), dust-pressed, unglazed homogeneous tiles	
Sampling details: Where: Date: By whom: How (methods):	Delivered 24 April 2006 Courier N/A		
The results reported rela unless it is done under o product. While CSIRO ta be free of errors or omiss by the client or any other report is only authorised	e only to the sample(s) tested and the information receive ir own supervision. CSIRO cannot accept responsibility fi tes care in preparing the reports it provides to clients, it d ions or that it will be suitable for the client's purposes. CS person on the basis of the information contained in the re n the form of a complete photographic facsimile. Our write This test report consists of	ved. No responsibility is taken for the accuracy of the sampling for deviations in the manufactured quality and performance of th does not warrant that the information in this particular report will SIRO will not be responsible for the results of any actions taken report or any opinions expressed in it. The reproduction of this to ritten approval is necessary for any partial reproduction.	าe I เ est
	SUMMARY OF SLIP RESISTA	ANCE TESTS PERFORMED:	
AS/NZS 4586:200	4 Slip resistance classification of nev Appendix A: WET Pendulum (F	w pedestrian surface materials Four S slider):	
AS/NZS 4586:200	4 Slip resistance classification of nev Appendix C: WET/BAREFOOT	w pedestrian surface materials	

Mean angle of inclination: Slip resistance classification of new pedestrian surface materials, AS/NZS 4586:2004 Appendix D: OIL-WET Ramp Mean overall acceptance angle: 31.0° R 12 No Pate . AN AN 100

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.



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO: ISSUE DATE:	3541.1s 28 April 2006	Page	2 of	5
MANUFACTURER: PRODUCT DESC:	Malaysian Mosaics Berhad Ridges Series, Colour J23 (Black, ASC), dust-pressed, un 300 x 600mm	iglazed hor	nogen	eous tiles

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CAR AS/NZS 45	RIED OUT IN / 86:2004 (Appe	ACCORDAN(ndix A)	CE WITH			Test Dat	e: 24 April 200	06	
RESULTS: Location:		Slip Resistar	ice Labora	tory	<u></u>	Rubber	Rubber slider used: Four S		
	Sample: Cleaning: Temperature:	Unfixed Acetone 23°C				Conditio	oned with grade f	-400 paper, dry	
Pendulum Test condu	Friction Tester: icted by: David	Stanley (S/I Weeks	√: 9234, c	alibated 13	(6/05)				
		Specimen 1	2	3	4	5			
Last 3 s	swings	54 54 54	54 54 54	54 54 54	58 58 57	54 54 54			
Averag	es	54	54	54	58	54			
				• • • •		ſ	Mean BPN :	55	
		a start and a start and a start	go dha An an	د. د. د. د. د. د. د. د. د. د. د. د. د.			CLASS :	V	
Where prod	lucts are to be us	sed in wet bare	efoot areas	, it is more a	opropriate	to test to A	ppendix C of AS	/NZS 4586	

(which is technically equivalent to DIN 51097).

Comments:

Assessment of the tiles samples 90 degrees to the ridge pattern produces higher slip resistance.



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO:3541.1sPage 3 of 5ISSUE DATE:28 April 2006MANUFACTURER:Malaysian Mosaics BerhadPRODUCT DESC:Ridges Series, Colour J23 (Black, ASC), dust-pressed, unglazed homogeneous tiles
300 x 600mm

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: 26 April 2006

Location: Slip Resistance Laboratory

Sample Fixed

Joint width: mm

Surface structure:

[] Smooth [X] Profiled [] Structured

RESULTS					
		Actual mean	Reported mean		
Mean angle of inclination:	Calibration Board A:	11.98 °	12 °		
	Calibration Board B:	17.01 °	17 °		
	Calibration Board C:	24.34 °	24 °		
Mean angle of inclination of	Test Board:	33.45.°	33 °		

CLASSIFICATION:

Quality Group:

С



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO: ISSUE DATE: MANUFACTURER: PRODUCT DESC:	3541.1s 28 April 2006 Malaysian Mosaics Berhad Ridges Series, Colour J23 (Black, ASC), du 300 x 600mm	Page 4 of 5 st-pressed, unglazed homogeneous tiles
SLIP R	ESISTANCE CLASSIFICATION OF NEW PI	EDESTRIAN SURFACE MATERIALS
	OIL-WET RAMP TEST	METHOD
TEST CARRIED OU AS/NZS 4586:2004 (T IN ACCORDANCE WITH (Appendix D)	Test Date: 26 April 2006
Location: Slip Re	esistance Laboratory	
Sample Fixed		
Joint width: mm		
Surface structure:	[] Smooth [X] Profiled [] Structured	
RESULTS		υ.
Mean overall acce	eptance angle: 31.0 °	
Displacement spa	nce: not tested	
CLASSIFICATIO	ON: A Construction of the second s	
Slip Resist	ance Assessment Group:	R 12
Displacem	ent Space Assessment Group:	



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO: ISSUE DATE: MANUFACTURER: TILE DESC: 3541.1s Page 5 of 5 28 April 2006 Malaysian Mosaics Berhad Ridges Series, Colour J23 (Black, ASC), dust-pressed, unglazed homogeneous tiles 300 x 600mm

Date and Place

28 April 2006,

Highett, Vic

Name, Title and Digital Signature:



DAVID WEEKS Technical Officer

Tel: 61 3 92526064 Fax: 61 3 92526244 Email: David.Weeks@csiro.au

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

PR:W280406-10:30:49



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

 REPORT NO:
 3541.1s
 Addendum

 ISSUE DATE:
 28 April 2006
 AnnuFACTURER:
 Malaysian Mosaics Berhad

 PRODUCT DESC:
 Ridges Series, Colour J23 (Black, ASC), dust-pressed, unglazed homogeneous tiles 300 x 600mm
 300 x 600mm

DETERMINATION OF Rz SURFACE ROUGHNESS

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

		Test Date: 24 April 2006
RESULTS		
Location:	Slip Resistance Laboratory	· · · ·
	Rz values	
1 2 3 4 5 6 7 8 9 10 Surface Roughnes	44.9 39.8 40.4 34.5 44.4 33.6 33.2 44.1 53.6 44.3 s (Rz) mean = 41.3 microns	
		e statu (la televita) - ataliana (la televita) Alta de la televita (la televita)

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.



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

Registered Testing Authority - Building Code of Australia

18 July 2006

Our Ref. EN13 / 1153 03/0212

TEST REPORT No. 3610s

Product Desc.: Sandstone Porcelain 300 x 300mm

Sampling becaus:	
Where:	Delivered
Date:	11 July 2006
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 4 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 slider): Mean BPN:	43	x
AS/NZS 4586:2004	Slip resistance classification of new pedestrian surface materials, Appendix D: OIL-WET Ramp Mean overall acceptance angle:	27.2°	R 12

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.



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO: 361 ISSUE DATE: 18

3610s 18 July 2006 Page 2 of 4

PRODUCT DESC: Sandstone Porcelain 300 x 300mm

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CAR AS/NZS 45	RIED OUT IN / 86:2004 (Appe	ACCORDAN Indix A)	ICE WITH			Test Dat	e: 11 July 200	6	
RESULTS:	Location:	Slip Resista	ince Labora	atory	10.1	Rubber	slider used: Four ned with grade P	S 400 paper.	 drv
	Sample: Cleaning: Temperature:	Unfixed Acetone 23°C					3		
Pendulum Test condu	Friction Tester: Icted by: Peter	Stanley (S Westgate	/N: 9234, c	calibated 1	3/6/05)				
		Specimen	ł						
		. 1	2	3	4	5			
Last 3 s	swings	45	44	42	42	42			
	-	45	44	42	42	42			
		45	44	42	42	42			
Averag	es	45	44	42	42	42			
						N	lean BPN :	43	
						C	LASS :	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).

Comments:

One tile available for testing. These results should be seen as being indicative rather than being definitive.



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

REPORT NO: ISSUE DATE:

3610s 18 July 2006 Page 3 of 4

PRODUCT DESC: Sandstone Porcelain 300 x 300mm

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WIT AS/NZS 4586:2004 (Appendix D)	Ή	· • • •	Test Date:	18 July 2006
Location: Slip Resistance Laboratory				
Sample Fixed				
Joint width: mm		* 4	·1	
Surface structure: [X] Smooth [] Profiled [] Structure	n I red			
RESULTS	м.	 		
Mean overall acceptance angle:	27.2 °	i ···		
Displacement space:	not tested			
CLASSIFICATION:	•	 , .		
Slip Resistance Assessment	Group:		R 12	
Displacement Space Assessn	nent Group:		*	



Manufacturing & Infrastructure Technology, Graham Road (PO Box 56), Highett, Victoria, Australia 3190 Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: http://www.cmit.csiro.au

 REPORT NO:
 3610s
 Page 4 of 4

 ISSUE DATE:
 18 July 2006

 PRODUCT DESC:
 Sandstone Porcelain

 300 x 300mm

Date and Place

18 July 2006,

Highett, Vic

Name, Title and Digital Signature:

Web Westinte

PETER WESTGATE Senior Laboratory Technician

Tel: 61 3 92526108 Fax: 61 3 92526244 Email: Peter.Westgate@csiro.au

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

PR:W180706-15:58:43

Certificate of Assessment

No. 973 "Copyright CSIRO 2008 ©"

We have examined information submitted to us and appraised the suitability of the use of wool and some wool/nylon carpets, in Class 2 to 9 buildings without further fire testing to AS ISO 9239, Part 1, on behalf of:

Carpet Institute of Australia Limited Level 2, 20 Queens Road MELBOURNE VIC 3004

CSIRO Manufacturing and Materials Technology's Report CMMT(C)-2007 -120 (RevAA) describes a fire engineering assessment conducted to evaluate the compliance of the carpets with the BCA requirements. A statistical analysis was performed based on 198 test reports of tests to AS ISO 9239.1 from NATA or ILAC accredited test laboratories.

PRODUCT NAME & DESCRIPTION: 100% wool and wool/nylon blend carpet with no more than 20% nylon; of Total Pile Mass (TPM) no less than 1060g/m²; and limited to particular construction types and underlay combinations as described in the CSIRO report. This report is valid for carpet of the above description manufactured by Brintons, Feltex Carpets, Godfrey Hirst Australia, Quest Carpets, Tascot, Tuftmaster Carpets, Victoria Carpets, Cavalier Bremworth, Chaparral Carpet Mills and Supertuft. The assessment does not apply to:

- carpet of pile material other than wool/nylon
- carpet tiles
- PVC backed carpet
- carpet laid over FR Rubber.

CONCLUSION:

The 'Critical Radiant Flux' (CRF) and Maximum 'Smoke Development Rate' (SDR) of certain wool rich carpets will satisfy Performance Requirement CP 4 of the BCA 2007 without further testing. The conclusion is limited to the values achieved by construction types assessed and listed in the table below. Refer to the CSIRO report CMMT(C)-2007 -120 (Rev AA) fire engineering assessment for the full descriptions of the limitations.

Installation	Underlay	TPM	CRF	(kW/m ²) by	y Pile Type		SDR
Method	Опценау	(g/m²)	All	Loop	Cut/Loop	Cut	`(%.min)
Direct Stick	Nil	All	4.5				750
Conventional	Rubber, Felt, Reconstituted Fibre, Rebond Foam	All	2.2				750
	Reconstituted	<1200		4.5	4.5	2.2	750
	Fibre	<u>></u> 1200	4.5				750
Double Bond	SBBLatax	<2000	4.5				750
	ODIN Latex	<u>>2000</u>	2.2				750
	Rebond Foam	All		4.5	4.5	2.2	750

Issued on 21st October 2008 without alterations or additions. This Certificate will expire on 21st October 2013. This certificate is issued in conjunction with CSIRO report number CMMT(C)-2007-120 (Rev AA), and must not be used separately to that report.

Alex K Webb Fire Engineering Assessments



CSIRO Materials Science and Engineering 14 Julius Avenue, Riverside Corporate Park, North Ryde NSW 2113 AUSTRALIA

Telephone: 61 2 9490 5444 Facsimile:61 2 9490 5555

Fire Hazard Requirements for Non-Domestic Fit-Out

SCOPE

This publication summarises the deemed-tosatisfy provisions for Cypress and hardwood timbers when used as components in interior fit-out within non-domestic buildings. It also lists the various timber species available for these applications along with their fire hazard indices (Ignitability, Heat Evolved, Smoke Developed, Spread of Flame, etc).

The materials and applications in this publication are for timber fit-out components such as:-

- timber panelling/lining materials;
- timber flooring;
- timber finishing elements (e.g. skirtings);
- timber framed windows and doors.

Sydney Blue Gum bar fit-out

Blackbutt shop fit-out



FIRE HAZARD REQUIREMENTS FOR NON-DOMESTIC FIT-OUT

BUILDING CODE OF AUSTRALIA (BCA) REQUIREMENTS

The BCA contains various criteria relating to the performance of materials when exposed to fire. The deemed-to-satisfy provisions require certain materials or assemblies to be 'noncombustible' or have nominated fire hazard properties.

Where the deemed-to-satisfy provisions require a material, construction or part of a building to be 'non-combustible', the use of timber or timber products is not permitted as a deemedto-satisfy solution. Timbers must be tested in accordance with AS1530.1 'Combustibility Tests for Materials'.

Non-combustibility requirements in the deemed-to-satisfy provisions do not prevent or influence the processing of an alternative solution under the performance requirements.

Table 1 lists the BCA requirements for Flammability Index, Spread-of-Flame Index and Smoke Developed Index for the various locations within the different building classifications.

Minimum Requirements

For all building types except for Class 1 – detached houses, and Class 10 – garages, sheds, etc., and other non-habitable buildings, all materials are required to have a minimum Spread of Flame Index of 9 and a minimum Smoke Development Index of 8 if Spread of Flame Index is greater than 5. Cypress and hardwood species listed in Table 2 all meet this criteria. Class 1 – detached houses and Class 10 – garages, sheds, etc., do not have to satisfy any Early Fire Hazard criteria.

Exempted Building Parts and Materials

The requirements in the BCA for a Spread-of-Flame Index, Smoke-Developed Index or Flammability Index do not apply to the following building elements –

- timber-framed windows; or
- solid timber handrails or skirtings; or
- timber-faced solid-core or fire doors; or
- joinery units, cupboards, shelving and the like.
- These provisions do not also apply to paint, varnish, lacquer or similar finishes (except nitrocellulose lacquers) or to any other material that does not significantly increase the hazards of fire.

The BCA gives no guidance on how to determine what will significantly increase the fire hazard.

Jarrah ceiling lining



Tallowwood library flooring



FIRE HAZARD REQUIREMENTS FOR NON-DOMESTIC FIT-OUT



SOLID TIMBER DATA

Table 2 lists test results on samples of a number of native timber species according to AS/NZS1530.3 'Simultaneous determination of ignitability, flame propagation, heat release and smoke release'.

MANUFACTURED PRODUCTS DATA

Factory produced wood based products such as hardboard, medium density fibreboard (MDF), particleboard and plywood can also be assessed by AS1530.3. However, since such products may vary widely in formulation from time to time and between manufacturers (raw materials plus additives) the confirmation of specific indices, should be authenticated by the manufacturer of the particular named or branded products and/or a registered testing authority Certificate of Accreditation.

FIRE RETARDANTS TO IMPROVE FIRE HAZARD PROPERTIES

Timber based products which have been pressure impregnated with fire retardant chemicals may be used, provided they satisfy the fire hazard properties required by the BCA and AS/NZS1530.3.

Paints and fire-retardant coatings cannot be used in order to make the substrate comply with the BCA requirements.

Early Fire Hazard Properties required by the BCA may be achieved through pressure impregnation of the timber with a suitable fire retardant chemical. Surface coating with either a paint system or other fire resistant coating cannot be utilised to achieve compliance.

Where other Fire Resistant Properties (other than Early Fire Hazard) are required, the BCA does not exclude the use of appropriate paint and fire resistant coating systems.

Jarrah hotel flooring



FIRE HAZARD REQUIREMENTS FOR NON-DOMESTIC FIT-OUT

Building	Location	Surfaces	BCA Requirements	o (deemed-lo-safisty) 1	Suiding	Jimber	Councils Councils
Classification		8 •••	Elamonability 9	Spread of Flame	Smoke Developed	Permited	
andType			index (E)	sor) sor)	lader (SDI)	(refer to Table 2)	
CLASS 1	All locations	Ceilings	No BCA requirement (except	No BCA	No BCA	All native timbers	
Detached Houses and		Walls	roof sarking must be not	requirement	requirement		
Attached Houses Townhouses, Terrace		Floors	more than 5)				
Touses, Villas etc)	Fire-icolated	Ceilinas	No RCA radiiramant (avcant	Mitch be 0	Not more than 2	Timber not	Timber unlikely to satisfy either the
Apartments (2 or more	exits	Walls	sarking type material must			permitted	performance or deemed-to-satisfy
ole occupancy units)		Floors	be 0)				requirements for an alternative solution
-	Public Corridors	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-Retardant	
	providing egress to required fire isolated	Walls	sarking type material must be not more than 5)			Treated timbers	
	exits	Floors	No BCA requirement	Not more than 9	Not more than 8 if	All native timbers	
					SOF more than 5.		
	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	All native timbers	
		Walls	sarking type material must		SOF more than 5.		
		Floors	be 0)				
CLASS 3	Fire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 2	Timber not	Timber unlikely to satisfy either the
Accommodation for	exits	Walls	sarking type material must			permitted	performance or deemed-to-satisfy
aged, disabled and		Floors	be 0)				requirements for an alternative solution
children	Public Corridors	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-Retardant	
Boarding houses,	Providing egress to	Walls	sarking type material must			Treated timbers	
backpackers	required fire isolated		be not more than 5)				
accommodation, residential parts of	exits	Floors	No BCA requirement	Not more than 9	Not more than 8 if SOF more than 5.	All native timbers	
hotel/motels, etc	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	All native timbers	
		Walls	sarking type material must		SOF more than 5.		
	Eiro icolatod	rioors Coilingr	No BCA incruitement fevriced	Must ha O	Not more than 2	Timhar not	Timber unlibely to caticfy either the
A single dwalling in a	evite	-Sumo-	carking hine material mist			narmitted	merformance or deamed-to-catich
Class 5, 6, 7, 8 or 9	3	Floors	be 0)				requirements for an alternative solution
building	Public Corridors	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-Retardant	
	Providing egress to required fire isolated	Walls	sarking type material must be not more than 5)			Treated timbers	
	exits	Floors	No BCA requirement	Not more than 9	Not more than 8 if	All native timbers	
					SOF more than 5.		
	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	All native timbers	
		Walls	sarking type material must		SOF more than 5.		
		Floors	be 0)				

Table 1 - BCA Requirements for Fire Hazard Properties

FIRE MAZARD REQUIREMENTS FOR NON-DOMESTIC FIT-OUT

AUSTRALIAN HARDWOOD AND CYPRESS



Table 1 – BCA Requirements for Fire Hazard Properties (continued)

Building	Location	Surfaces	A BCA Requirement	s (deemed-to-satisty)	Building	Tubber	Connents
Classification			hammability	Spread of slame	Smoke Developed	termitted	
andType			Index	, Index (kolo	ladex (SDI)	(refer to Table 2)	
				Enc.	- HNCN	i	
Class 5	Shaft containing	Cellings	No BCA requirement (except	Must be 0	Not more than 5	rire-retardant	
Offices	non-required non-	Walls	sarking type material must			timber	
	fire-isolated	Floors	be not more than 5)				
	stairways and						
	ramps						
	Fire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 2	Timber not	Timber unlikely to satisfy either the
	exits	Walls	sarking type material must			permitted	performance or deemed-to-satisfy
		Floors	be 0)				requirements for an alternative solution
	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	All native timbers	
	including public	Walls	sarking type material must		SOF more than 5		
	corridors providing	Floors	be not more than 5)				
	egress to required						
C1 ACS 6	Shaft containing	Cailinge	No BCA requirement (excent	Mitch ha ()	Not more than 5	Fire-ratardant	
		Collings					
sdous	non-required non-	Wails	sarking type material must			timber	
	fire-isolated	Floors	be not more than 5)				
	stairways and					×	
	ramps						
	Fire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 2	Timber not	Timber unlikely to satisfy either the
	exits	Walls	sarking type material must			permitted	performance or deemed-to-satisfy
		Floors	be 0)				requirements for an alternative solution
	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	All native timbers	
	including public	Walls	sarking type material must		SOF more than 5		
	corridors providing	Floors	be not more than 5)				
	egress to required fire isolated evits						
CLASS 7	Fire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-retardant	
Carparks and	exits	Walls	sarking type material must			timber	
Warehouses		Floors	be ()				
	All other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	Timber not	
	including public	Walls	sarking type material must		SOF more than 5	permitted	
	corridors providing	Floors	be not more than 5)				
	egress to required						
	fire isolated exits						

AUSTRALIAN HARDWOOD AND CYPRESS

clasrification and Type CLASS 8 F				「「「「「「「」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」	うちになっていたいであるというというというというとうとうとうとうとうとう		
and Type CLASS 8				Spread of Hame?	Smoke Developed S	PERMITED STATE	
CLASS 8			ladec	index (a index	(celer (ofable 2)	ас Л
CLASS 8 F			(E)):	eos .	(SDI)		
	ire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-retardant	
Laboratories e	xits	Walls	sarking type material must			timber	
		Floors	be 0)				
¥ .	Il other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	Timber not	
	Including public	Walls	sarking type material must		SOF more than 5	permitted	
0	orridors providing	Floors	be not more than 5)				
	gress to required re isolated exits						
CLASS 9 (a)	ire-isolated	Ceilings	No BCA requirement (except	Must be 0	Not more than 2	Timber not	Timber unlikely to satisfy either the
Health Care Building e	xits	Walls	sarking type material must			permitted	performance or deemed-to-satisfy
)		Floors	be ()		-		requirements for an alternative solution
	Il other locations	Ceilings	No BCA requirement (except	Must be 0	Not more than 5	Fire-retardant	
.=	ncluding public	Walls	sarking type material must			native timber	
0	orridors providing		be 0)				
	gress to required re isolated exits	Floors	No BCA requirement	Not more than 9	Not more than 8 if SOF more than 5	All native timbers	
	atient Care Areas	Ceiling	No BCA requirement (except	Must be 0	Not more than 3	Timber not	
		>	sarking type material must be 0)			permitted	
		Walls	No BCA requirement (except	Not more than 2	Not more than 5	Fire-retardant	Including skirting up to 150 mm above
			sarking type material must be 0)			native timber	floor as for floor
		Floors	No BCA requirement	Not more than 3	Not more than 5 if	Brushbox	Including skirting up to 150 mm above
					SOF is 1, 2 or 3.	Spotted gum	floor.
		· · · · ·			Can be 6 if SFO is 0		Other native timbers can be used if they are fire-retardant
	Il other locations	Ceilings	No BCA requirement (except	Not more than 9	Not more than 8 if	Fire-retardant	
	_	Walls	sarking type material must		SOF more than 5	native timber	
		Floors	be 0)				

Table 1 – BCA Requirements for Fire Hazard Properties (continued)

AUSTRALIAN HARDWOOD AND CYPRESS

Common Name	Botanical Name	lgnitability Index	Spread of Flame Index	Heat Evolved Index	Smoke Developed Index	Report Reference
Alpine Ash	Eucalyptus delegatensis	14	8	7	3	E.4161
Australian Red Cedar	Toona australis	14	9	8	3	E.4230
Blackbutt	Eucalyptus pilularis	13	6	5	3	E.4233
Brush Box	Lophostemon confertus	14	3	4	2	*
Cypress	Callitris columellaris	13	8	7	3	E.4228
Messmate	Eucalyptus obliqua	13	5	5	3	*
Mountain Ash	Eucalyptus regnans	14	8	7	3	E.4161
Spotted Gum	Corymbia citriodora	13	3	4	3	E.4254
Tallowwood	Eucalyptus microcorys	12	5	5	4	E.4229
Tasmanian Oak	E. regnans E. obliqua E. delegatensis	14	8	7	3	E4161
Victorian Ash	E. regnans E. delegatensis	14	8	' 7	3	E.4161

TABLE 2 - Fire Hazard Properties of Selected Hardwood Timbers

NOTES:

- 1. Data on solid timber samples was obtained from published documents or from originals of the Certificates-of-Tests which were issued by the then Commonwealth Experimental Building Station (EBS). The relevant tests were carried out in 1978-1979 according to AS 1530.3 (1976).
- 2. Identifying number listed is for tests done by CEBS in 1978-79. Species with an asterisk are results reported in CSIRO Division of Building Research Technical Paper No. 6 (1974) by Beesley J., Keogh J. J., Moulen A. W.
- 3. Timber products may be available as special branded and accredited flame-retardant treated products which have been impregnated in pressure vessels with special chemicals which inhibit the spread of flame, often reducing the spread of flame index to zero (0).

RELATED DOCUMENTS

(From this Series of Timber Development **Association Publications)**

 Technical & Detailing Guide for Hardwoods and Cypress (including information on moisture management, durability, appearance and structural issues).

ACKNOWLEDGMENTS

- Timber Manual, National Association of Forest Industries Ltd., Canberra.
- Timber Promotion Council www.tpc.vic.org,au
- Decorative Wood Veneers Association, www.woodveneer.com.au
- Briggs Veneers Pty Ltd www.briggs.com.au

Turpentine wall panelling in public lounge area





For additional assistance please contact the Timber Advisory Service

1800 044 529 or visit the following websites: www.timber.net.au www.australianhardwood.net



Timber Development Association (NSW) Ltd

Sponsored by the NSW Native Timber Industry Marketing and Development Fund



Department of Infrastructure, Planning and Natural Resources



stralian Government artment of Agriculture,

FIRE HAZARD REQUIREMENTS FOR NON-DOMESTIC FIT-OUT



ATTAR TEST REPORT NUMBER 08/2653



This document is issued in accordance with NATA's In a document issue in accordinate where the accordination requirements. The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/mational standards. Accredited for compliance with ISO/IEC 17025.

17 October 2008

DRY SLIP RESISTANCE

Job No: M08/2653

Total Pages: 1

Prepared for:	Peerless Jal				
	10-12 Raglan Street	t			
	PRESTON VIC 30	072	· · · · · · · · · · · · · · · · · · ·		
Attention:	Jovana Sobat				
Test Site:	ATTAR, Unit 27, 1	34 Springvale Road,	Springvale.		
Test Date:	16 October 2008				
Test Specimens, Size and Quantity:	Hy-Shield high soli	d floor polish,			
	applied to 2mm vin	yl sheet flooring, 103	x 60cm 1 off.		
Sampling and Direction of Test:	Sampling conducted	1 by client. Test direc	tion not applicable.		
Test Personnel:	Callum Oakey				
Preparation:	As received, washed	d with tap water and j	ph neutral detergent		
	and dried.				
Fixed/Unfixed:	Unfixed.				
Air Temperature:	19°C				
Test Equipment:	Tortus Floor Frictio	n Tester; Tortus Mod	lel Mk 2 (with		
	integral printer), Serial No: 233.				
Test Standard:	AS/NZS 4586: 2004 Slip resistance classification of new				
	AS/NZS 4586: 2004 Slip resistance classification of new pedestrian surface materials – Appendix B.				
Slider Rubber:	Slider 96 (Four S) Batch No. 25				
Classification Criteria:	Refer Appendix 1 -	Classification Criter	ia, attached.		
Dynamic Coefficient of Friction	Run 1	Run 2	Wienn Roundedito/0/05		
2	0.84	0.84	0.85		
Classification:		F			

These results apply only to the specimens tested and it is recommended that before selection of flooring or paving materials the effect of service conditions, including maintenance procedures and wear on their slip-resistance be checked. NOTE: Any specimens supplied will be disposed of in two (2) months time, unless otherwise instructed.

Marcus Braché

Senior Engineering Technician Approved Signatory

Callum-Oakey

NDT & Engineering Assistant

This report may not be reproduced except in its entirety.

ATTAR - Advanced Technology Testing and Research A division of Engineering Materials Evaluation Pty Ltd ABN 14 006 554 785

Unit 27, 134 Springvale Road, PO Box 286, Springvale Victoria 3171 T (03) 9574 6144 F (03) 9574 6133 E admin@attar.com.au www.attar.com.au



ANPIPEINADIEX II



Advanced Technology Testing and Research

CLASSIFICATION CRITERIA – AS/NZS 4586 - 2004

Compliance

TEST AND CLASSIFICATIONS COMBINATIONS				
Test conditions	Test method	Classification table to be used		
Wet pendulum	Appendix A	Table 2		
Wet pendulum and dry floor friction	Appendices A and B	Tables 2 and 3		
Dry floor friction	Appendix B	Table 3*		

TARLE 1

*Samples tested under dry conditions only are assumed to have a default wet classification of Z and shall be reported as classification ZF or ZG.

TABLE 2		
CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS		
ACCORDING TO THE WET PENDULUM TEST		

	Pendulum* mean BPN	
Class	Slider 96 (Four S rubber)	Slider 55 (TRL rubber)
V	>54	>44
W	45-54	40-44
X	35-44	-
Y	25-34	-
Z	<25	-

*While either of these test methods may be used, the test report shall specify which method was used. NOTE: It is expected that these surfaces will have greater slip resistance when dry.

TABLE 3 CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE DRY FLOOR FRICTION TEST

ACCORDING TO THE DRI FLOOR FRICTION TEST		
Classification	Floor friction tester mean value	
F	≥0.4	
G	<0.4	

Means of demonstrating compliance

Pedestrian surfaces that are classified in accordance with Table 2 and, where appropriate, Table 3 shall meet the following criteria:

- (a) The mean test results shall be as follows:
 - (i) For the classifications in Table 2, the mean of the test results shall be within the relevant criteria set out in the Table, and each individual result shall be equal to or above the lower limit for the classification or, if below the classification, within the mean of the result minus 20%. If either of these criteria is not met, the lot shall be considered to be a lower classification.
 - (ii) For Classification F in Table 3, the mean of the test results shall be equal to or greater than 0.4 and each individual result shall be equal to or greater than 0.35. If either of these criteria is not met, the lot shall be considered to be Classification G.
- (b) The classification in accordance with Table 2 or Table 3 shall be determined by
 - (i) selecting and testing at least five specimens at random as defined in Appendices A and B; or
 - (ii) carrying out continuous testing and process control in accordance with AS 3942.
- (c) When testing individual lots, if a particular test fails to produce the expected classification it shall be permissible to:-
 - (i) disregard the first sample, re-sample a minimum of 10 specimens from the whole lot, retest and apply the criteria to the new sample; or
 - (ii) subdivide the lot into smaller lots of different quality, re-sample, retest and reclassify each of the smaller lots.