

Our ref J050523 IOC(B)

16 November 2007

Pittwater Council
DX 9018
MONA VALE

Attention: Customer Service

**Subject: Interim Occupation Certificate J050523(B)
Development Consent Permit N0029/04
Dan Murphy's, 25-29 Park Street, Mona Vale**

We refer to our engagement in respect of the above and enclose the Interim Occupation Certificate for such in accordance with the provisions of Clause 142 of the Environmental Planning and Assessment Regulation 2000

Also please find enclosed a cheque for \$30 00 being the registration fee for the above. It would be appreciated if a receipt could be forwarded to our firm as soon as possible.

Should you require any further information please contact the undersigned

Yours faithfully



// Simon Dwyer
for **DLM Certification Pty Ltd**

**Cc: Woolworths Ltd
1 Woolworths Way
Bella Vista NSW 2153
Encl.**

Rec: 2286 71

\$30

20/11/07

Suite 1, Level 5
56 Railway Parade
Burwood NSW 2134

Locked Bag 3013
Burwood NSW 1805
Ph 9715 2555
Fax 9715 2333
DX 8505



Our ref J050523 IOC(B)

16 November 2007

Woolworths Ltd
1 Woolworths Way
Bella Vista NSW 2153

Attention: Greg Lucas

Subject: Interim Occupation Certificate J050523(A)
Development Consent Permit N0029/04
Dan Murphy's, 25-29 Park Street, Mona Vale

We refer to our engagement in respect of the works completed at the above address
In that regard we are pleased to enclose the Interim Occupation Certificate for those
works

Should you require any further information, please contact the undersigned

Yours faithfully

/s/ Simon Dwyer
for **DLM Certification Pty Ltd**

Encl.

INTERIM OCCUPATION CERTIFICATE No J050523(B)**INTERIM OCCUPATION CERTIFICATE**

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

Property to which this certificate relates

Address	Dan Murphy's 25-29 Park Street, Mona Vale		
Lot No	1	DP/SP	605804

Applicant

Name	Woolworths Limited
Address	1 Woolworths Way Bella Vista NSW 2153

Description of Development

Alterations and additions to the existing building including the addition of a 1444m² liquor store, internal fit out, signage and alteration of the existing car park to accommodate 368 spaces

Building classification 6

Exclusions and limitations

This Interim Occupation Certificate **is limited to the escalators, foyer, lift and pedestrian exit ramp only** as approved pursuant to Development Consent N0029/04 dated 12 October 2005, modification dated 12 October 2006 and modification dated 12 December 2006 issued by Pittwater Council

Consent details

Development Consent No	Date of determination	Consent authority
N0029/04	12 October 2005	Pittwater Council
DA Modification	12 October 2006	Pittwater Council
DA Modification	12 December 2006	Pittwater Council

Construction Certificate Details

Construction Certificate No	Date of issue	Certifying authority
J050523	5 February 2007	Simon Dwyer
J050523A	15 March 2007	Simon Dwyer
J050523B (Amended CC)	19 October 2007	Simon Dwyer

Determination

I certify that

- The health and safety of the occupants of the building have been taken into consideration in accordance with Clause 154 of the Environmental Planning and Assessment Regulation 2000,
- A current development consent is in force for the development,

Suite 1, Level 5
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Burwood NSW 2134

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DX 8505

INTERIM OCCUPATION CERTIFICATE No J050523(B)



- A construction certificate has been issued with respect to the plans and specifications relating to the building works,
- The building is suitable for occupation or use in accordance with its classification under the Building Code of Australia
- The following documents have been considered

Inspection schedule (Clause 151(2)(d) EP&A Regulation 2000)

Inspections of the building works have been carried out to the extent detailed in Annexure 1

Fire Safety Certificate (Clause 153 EP&A Regulation 2000)

An Interim Fire Safety Certificate has been issued for the building and is contained in Annexure 1

Certificate Number J050523(B)

Date of certificate 16 November 2007

Signature

Accredited Certifier

Accreditation body

Registration No

Simon Dwyer

Building Professionals Board

BPB0229

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56 Railway Parade
Burwood NSW 2134

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Burwood NSW 1805
Ph 9715 2555
Fax 9715 2333
DX 8505

**INTERIM OCCUPATION CERTIFICATE DOCUMENTATION No
J050523(B)**



FIRE SAFETY MEASURES THAT FORM PART OF THIS CERTIFICATE

Issued in accordance with Clause 168 (1) (c) of the Environmental Planning and Assessment Regulation 2000

Property address Dan Murphy's 25-29 Park Street, Mona Vale
Date of issue. 16 November 2007

Fire Safety Measure	Standard of performance
Automatic Fire Suppression System (Sprinkler)	BCA Spec E1 5, AS 2118-1-1999
Emergency lighting	BCA Clause E4 4, E4 2, AS/NZS 2293 1-1998
EWIS	BCA Clause E4 9, AS 1670 4-2004 & AS 4428 4-2004
Exit signs	BCA Clause E4 5, E4 8, AS/NZS 2293 1-1998
Fire hydrant systems	BCA Clause E1 3, AS 2419 1-1994
Fire hose reel systems	BCA Clause E1 4, AS 2441-1998
Mechanical Air Handling systems	BCA Clause E2 2, & AS 668 2-1991
Portable Fire Extinguishers	BCA Clause E1 6, AS 2444-2001
Fire Detection System	AS 1670 1 2004
Smoke and Heat Detectors	BCA Clause E2 2, AS 1670 1-2004 AS 3786-1993

Annexure 1 Statutory Documentation

Inspection Schedule	1 page
Occupation Certificate Application form	1 page

Annexure 2 Supporting Documentation

Fire Safety Certificate	2 pages
 Compliance Certificate/Evidence of Suitability Fire Services Certification 0 Basement & Ground Floor Precision Fire Protection Services Pty Ltd Dated 13 November 2007	1 page
 Artificial Lighting Certification KRS Electrical Services Pty Ltd Dated 12 November 2007	1 page
 Emergency & Exit Lighting Certification KRS Electrical Services Dated 12 November 2007	1 page
 Fire Hydrant System Certification Ed Ahem Plumbing (Gold Coast) Pty Ltd Dated 13 November 2007	1 page
 Fire Hose Reels System Certification Ed Ahem Plumbing (Gold Coast) Pty Ltd Dated 13 November 2007	1 page
 Mechanical Services – Foyer Cool-Serve Pty Ltd Dated 12 November 2007	1 page
 Glazing Certification South West Aluminium Pty Ltd Dated 7 November 2007	1 page
 Stainless Steel Balustrade Certification Arian Design & Build Dated 13 November 2007	1 page
 Glass Balustrade Certification Arian Design & Build Dated 13 November 2007	1 page
 Lift Certification Liftronic Pty Ltd Dated 14 November 2007	3 pages

INTERIM OCCUPATION CERTIFICATE DOCUMENTATION No
J050523(B)



Moving Walkway Certification
Liftronic Pty Ltd
Dated 13 November 2007

3 pages

Other Supporting Documentation
Flooring Certification and Test Reports
FAB Flooring Pty Ltd
Dated 13 November 2007

28 pages

ANNEXURE 1

Statutory Documentation

INTERIM OCCUPATION CERTIFICATE DOCUMENTATION
No J050523(B)



Inspection Schedule

Date	Inspection	Inspected by
19 April 2007	Commencement	Simon Dwyer
19 October 2007	Audit Inspection	Simon Dwyer
14 November 2007	Pre Final Inspection	Simon Dwyer

OCCUPATION CERTIFICATE APPLICATION FORM



In accordance with Clause 149 of the Environmental Planning and Assessment Regulation 2000

Certificate type

- ☒ Interim
☐ Final



Description of property to which this application relates

Address 25/29 PARK ST, MONA VALE
AKUMBA LAKE TEMPERLEY RAMP

Title details Lot No /s 1 DP 605804

Applicant

Applicant Name WOOLWORTHS LIMITED

Address 1 WOOLWORTHS WAY
BELLA VISTA NSW 2153

Contact Numbers Phone _____ Fax _____
E-mail _____ Mobile _____

BCA Classification

Approval details

Development Consent No N0029/4 Date 12 OCTOBER 2005

Consent Authority PITTWATER COUNCIL

Construction Certificate No 5050523 Date 5 FEBRUARY 2007

Complying Development Certificate No _____ Date _____

Certifying Authority _____

Documentation included in this application

List all
documentation
attached (attach a
schedule where
necessary)

I apply for an Occupation Certificate for the development or works described in
this application.

[Signature]
Applicant's Signature

20/4/07
Date

Suite 1 Level 5
56 Railway Parade
Burwood NSW 2134

Locked Bag 3013
Burwood NSW 1805
Ph 9715 2555
Fax 9715 2333
DX 8505

ANNEXURE 2

Supporting Documents

(Form 15) **Final/Interim Fire Safety Certificate**
 Issued under the *Environmental Planning and Assessment Regulation 2000*

Type of Certificate (see note 1)	Interim / Final	
Certificate	I, <i>John Finlay</i>	
Name owner/agent	of <i>OneBuild Constructions Pty Ltd</i>	
Address	, <i>Level 1, 63 Foveaux St, Surry Hills</i>	
See Note 2 (over leaf) assessment requirements	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	
See note 3 (over leaf) relevant fire safety schedule	(b) the information contained in this certificate is, to the best of my knowledge and belief, true and accurate	
Identification of building (location)	Street side of street nearest cross street house/unit no or name	<i>25 to 29 Park St, Mona Vale Keenan Park</i>
Particulars of building	Whole / part Description of part (where applicable)	<i>Part, Main foyer and Basement entry</i>
Date of assessment	<i>13 November 2007</i>	
Owner's details	Name Address	<i>Sandwick Pty Ltd, 107 Carlingford St, Sefton</i>
Essential fire Safety Measures (see note 3)	Measure See attached schedule	Standard of Performance
Date of certificate	Date this 13 day of November 2007.	
Signature	 Owner/ agent	

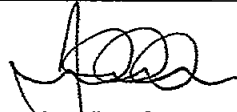
- A copy of this certificate together with the relevant fire safety schedule must be forwarded to the council and the Commissioner of the New South Wales Fire Brigades
- A copy of this certificate together with the relevant fire safety schedule must be prominently displayed in the building

(Form 15) Final/Interim Fire Safety Certificate
 Issued under the *Environmental Planning and Assessment Regulation 2000*

Fire Safety Measure	Standard of performance
Automatic fire suppression system (sprinkler)	BCA Spec E1 5, AS 2118 1-1999
Emergency lighting	BCA Clause E4 4, E4 2, AS/NZS 2293 1-1998
EWIS	BCA Clause E4 9, AS 1670 4-2004 & AS 4428 4-2004
Exit signs	BCA Clause E4 5, E4 8, AS/NZS 2293 1-1998
Fire hydrant systems	BCA Clause E1 3, AS 2419 1-1994
Fire Hose Reel systems	BCA Clause E1 4, AS 2441-1988
Mechanical air handling systems	BCA Clause E2 2, and AS 1668 2-1991
Portable fire extinguishers	BCA Clause E1 6, AS 2444-2001
Fire Detection System	As1670 1 2004
Smoke and heat detectors	BCA Clause E2 2, AS 1670 1-2004, AS 3786-1993



Final/Interim Fire Safety Certificate (Form 15)
*Issued under the Environmental Planning and Assessment Regulation 1994,
Amendment Regulation 1998 Clauses 80E and 80F*

Type of certificate (see note 1)	☒ Interim ☐ Final	
Name of installing contractor	I, Jamie Macklinshaw of Precision Fire Protection Services Pty Ltd certify that (a) each of the essential fire measures listed below ▪ has been assessed by a person (chosen by me) who was properly qualified to do so, and ▪ was found, when it was assessed, to have been properly implemented and to be capable of performing to a standard not less than that required by the most recent fire safety schedule (copy attached) for the building for which the certificate is issued (b) The information contained in this certificate is, to the best of my knowledge and belief, true and accurate	
Identification of Building	Address Cnr Waratah, Keenan & Park St, Side Street Municipality Mona Vale, NSW, 2103	
Particulars of Building	Whole / Part building --- Part--- Description of part Basement and Ground Floor (Dan Murphys Tenancy)	
Date of Assessment	Date 13th November 2007	
Owner of Building	Name Woolworths Limited, Address 3-5 Underwood Rd, Homebush, NSW, 2140	
Essential Fire Safety Measures	Essential Service	Standard of performance
	Automatic Fire Sprinkler System	AS 2118 1 1999
	Fire Extinguishers	AS 2444 2001
	Emergency Warning System	AS 1670 4 2004
	Fire Detection System	As 1670 1 2004
Date of Certificate	Date 13th November 2007	
Signature	 Installing Contractor	



KRS Electrical Services Pty Ltd

ABN 97 055 043 165

Electrical Engineers and Contractors

INDUSTRIAL – COMMERCIAL – INSTALLATION SPECIALISTS

Office Unit 2/38 Garema Circuit, KINGSGROVE 2208 • PO Box 20 KINGSGROVE 1480

Phone 02 9740 8500 • Fax No 02 9740 8511 • Email reception@krsserv.com.au

CERTIFICATE OF DESIGN & INSTALLATION **ARTIFICIAL LIGHTING**

MARKETPLACE MONA VALE **UNDERGROUND CARPARK AND TRAVELLATOR**

City/Municipality/Shire of: PITTWATER
Date of Certificate: 12-11-07
Property; MARKETPALCE SHOPPING CENTRE
Building No. or Name: 25-29
Street: PARK
District/Town/Village : MONA VALE
Postcode: 2003

Pursuant to the provisions of Clause A2.2 of the Building Code of Australia, I hereby certify that the above design is in accordance with normal engineering practice and meets requirements of Building Code of Australia, relevant Australian Standards and relevant conditions of Development Consent. In particular the design is in accordance with the following:

Nature of Essential Service	Date of Certification	Name & Address of person responsible for design	Is the service designed and capable of operating to the relevant standard? (yes/no)
Artificial lighting as per AS 1680.0 AS BCA F4.4	12-11-07	John Shearer 2/38 Garema Cct Kingsgrove 2208 NSW	Yes

I, John Shearer of KRS Electrical Services Pty Ltd, certify that I am appropriately qualified and competent person in this area and as such can certify that the design and performance of the design systems comply with the above listed codes.

Signed: **John Shearer**
(Designer)
(Installer)

FINAL/INTERIM FIRE SAFETY CERTIFICATE

Environmental Planning and Assessment Regulation 2000

Amendments

Schedule 1

(Form 15) **Final/Interim Fire Safety Certificate**Issued under the *Environmental Planning and Assessment Regulation 2000*

Type of Certificate (see note 1)	Final	
Certificate	I, JOHN SHEARER OF KRS ELECTRICAL SERVICES 2/38 GAREMA CCT, KINGSGROVE, 2208	
Name owner/agent Address	certify that:	
See Note 2 (over leaf) assessment requirements	(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	
See note 3 (over leaf) relevant fire safety schedule	(b) the information contained in this certificate is, to the best of my knowledge and belief, true and accurate	
Identification of building (location)	*Street *side of street *nearest cross street *house/unit no or *name	PARK WEST 25-29 KEENAN MARKETPLACE SHOPPING CENTRE
Particulars of building	PART	UNDER GROUND CARPARK & TRAVELLATOR ENTRY.
Date of assessment	12/11/07	
Applicants details	Name Address	WOOLWORTHS LTD 1 WOOLWORTHS WAY BELLA VISTA NSW 2157
Essential fire Safety Measures (see note 3)	Measure	EMERGENCY LIGHTING AS/NZS 2293.1 BCA C1 E4.2 & E4.4 EXIT LIGHTING AS/NZS 2293.1 BCA C1 E4.5, E4.6 & E4.8
Date of certificate	Date this 12th day of November , 2007	
Signature	John Shearer Agent	

INSTALLATION CERTIFICATE – FIRE HYDRANT SYSTEM

Project Name Dan Murphy's Mona Vale

I hereby certify that

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

Measure and/or system	Standards of Performance
Fire Hydrant System	BCA2004 Clause E1 3 and AS 2419 1 - 2005

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

Relevant qualifications and accreditations Licensed Plumber

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

Name of Certifier Gary Anderson

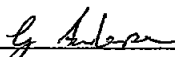
Company Ed Ahern Plumbing (Gold Coast) Pty Ltd

Licence No 71613C

Address 16/23 Bowden St Alexandria NSW 2015

Phone No (02) 83990588

Fax No (02) 83992366


Signature

13-11-07
Date

INSTALLATION CERTIFICATE – FIRE HOSE REEL SYSTEM

Project Name Dan Murphys At Mona Vale

I hereby certify that

The works have been inspected during construction and have been completed in accordance with the design, specifications and the nominated Standards of Performance

Measure and/or system	Standards of Performance
Fire Hose Reels System	AS 2441-2005, BCA E1 4

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

Relevant qualifications and accreditations Licensed Plumber

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

Name of Certifier Gary Anderson

Company Ed Ahern Plumbing (Gold Coast) Pty Ltd

Licence No 71613C

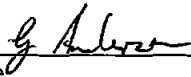
Address 16/23 Bowden St Alexandria NSW 2015

Phone No (02) 83990588

Fax No (02) 83992366

Signature

Date



13-11-07



Cool-Serve Pty Ltd



Air Conditioning & Refrigeration

Sales, Installation, Service & Maintenance



P.O. Box 65, Belrose West, NSW 2085

Ph: (02) 9907 4557 Fax (02) 9907 4481

12th November 2007

Certificate of Compliance

DAN MURPHY'S

**CNR PARK & WARATAH STREET
MONA VALE NSW 2103**

This is to certify that Cool-Serve Pty Ltd has designed, supplied and installed mechanical services to the front foyer of the above site as per approved drawings

All equipment and materials have been installed as per Australian Standard B C A Clause E2 2, AS-1668 1& 2

All equipment has been commissioned, balanced and has performed to Australian standards

Should you require further information please contact the undersigned

Yours Sincerely

Andrew Baldwin
Director



SOUTH WEST ALUMINIUM PTY LTD

COMMERCIAL ALUMINIUM WINDOWS AND DOORS - GLASS AND GLAZING

P O Box 3479, Narellan DC, NSW 2567
24 Anzac Av Smeaton Grange, NSW, 2567
Phone 02 46 47 1455
Fax 02 46 47 6122
email windows@swal.com.au

ABN 95 765 739 951

GLAZING CERTIFICATE

07 November, 2007

One Build Pty Ltd
Attention Khurram Nazir

Re **Dan Murphy – Mona Vale**
Glass and Glazing Certificate

Dear Sir,

This letter certifies that the Glass and Glazing to the Aluminium Windows and Doors of the above projects works completed by South West Aluminium Pty Ltd has been carried out specifically to all Australian Glazing Standards & Building Codes, BCA (2007) Clause F1 13, AS2208-1996 and AS1288-2006 and AS2047 and installation and glazing has been in line with all manufacturers instructions on their specific product components

Yours Faithfully,
South West Aluminium Pty Ltd



Roberet Berson
Manager



A building construction solution

1/20 Crescent Street HOLROYD NSW 2142

Ph 9897 5050

Fax 9897 5299

E-Mail info@adab.com.au

www.adab.com.au

Nov 13th 2007

Stainless Steel Balustrade CERTIFICATE

Project Monavale Dan Murphy
Client OneBuild Construction Pty Ltd

Attention John

Re incipient spade of Stainless Steel balustrades

- A) All Stainless Steel Balustrades handrails in void area around the travelator has been manufactured and installed based on the architect's instruction and is made 1100mm high in 16 modules 1400mm apart
- B) The stainless steel tubes are 50 8mm diameter round tubes, 1 6mm thick wall

Regards



A building construction solution

1/20 Crescent Street HOLROYD NSW 2142

Ph. 9897 5050

Fax. 9897 5299

E Mail info@adab.com.au

Khosrow



A building construction solution

1/20 Crescent Street HOLROYD NSW 2142
Ph 9897 5050
Fax 9897 5299
E-Mail info@adab.com.au

www.adab.com.au

Nov 13th 2007

Glass Balustrade CERTIFICATE

Project Monavale Dan Murphy
Client OneBuild Construction Pty Ltd

Attention John

Re incipient spade of Glass balustrades

- A) All infill Glass balustrades to Void area around the travelator are not structural and yet are supported on 2 edges, at min 4 points and are 12mm toughened glass, which comply with Table 7.2 of structural glass balustrades
- B) All infill glass to the gates are not structural and yet are 10mm toughened and are supported in 4 points, are supported less than 720mm apart vertically and less than 1200mm horizontally, which comply with Table 7.2 of structural glass balustrades

This is to certify that the all glass balustrades and infill in above mentioned address are made on provided design and site instructions by the Architect and comply with AS 1288-2006

Regards



1/20 Crescent Street HOLROYD NSW 2142
Ph 9897 5050
Fax 9897 5299
E-Mail info@adab.com.au

Khosrow



– Sydney – Brisbane –
– Melbourne –

LIFTRONIC PTY LIMITED

ABN 99 002 886 213

Sydney
Unit 6, 153 Beauchamp Road
MATRAVILLE NSW 2036
PO Box 75
BOTANY NSW 1455
Telephone +(61 2) 9666 3922
Facsimile +(61 2) 9666 4507



14th November 2007

KA, GL C2987-1

One Build Pty Ltd
Level 2, 63 Foveaux St
Surry Hills NSW 2010

Attention Mr Brett Hutton

Re: Mona Vale Market Square, 25 Park Street Mona Vale Lift No1

Notice to Head Contractor and/or Owner

Subject. Lift/Escalator/Moving Walkway Certified as "Safe to Operate"

Date Certification Issued. 14-11-2007 Issued by K Addison of Liftronic Pty Ltd

Description of Unit – Traction Lift

- 1 This certification is issued subject to a qualified person, provided by others, certifying that the building housing the subject lift/escalator/moving walkway is in a satisfactory condition. Implicit in this building certification is the acknowledgement that the safety of lift users and/or lift workers is not compromised including the satisfaction of all Statutory Authority requirements
- 2 It is recommended that lift/escalator/moving walkway should not be placed into service until the building has been certified as outlined in items 1) and 5) This includes the rectification of items as noted by the lift/escalator/moving walkway certifier
- 3 The Head Contractor and/or the Owner is required to register this lift/escalator/moving walkway as an item of plant as outlined in the Occupational Health and Safety Regulations 2001 clause 113 To assist with this registration process the following information is provided and should be included in the plant registration form, as provided by WorkCover
 - 3a) Design Approval/Venification Number LEM 6-91041/06
 - 3b) Name of Statutory Authority with which the design is registered. Work Cover NSW
 - 3c) Maximum Rated Capacity in Kg 1000kg
 - 3d) Maximum Speed in m/s 1.0m/s
 - 3e) Number of Persons Lift = 17
 - 3f) The lift type is circled "passenger/goods/bed" or "service" or "stairway" or "inclined" or "industrial access" or "orchestra" or "person with limited mobility-low rise platform" or "person with limited mobility-other" or "other" If other then type is listed as
 - 3f) Manufacturer of plant Liftronic
 - 3g) Contract serial number C2987-1
 - 3h) Model name BLT Model Number TRA-14-1 0

PROUD TO BE  AUSTRALIAN



- Sydney - Brisbane -
- Melbourne -

LIFTRONIC PTY LIMITED

ABN 99 002 886 213

Sydney
Unit 6, 153 Beauchamp Road
MATRAVILLE NSW 2036
PO Box 75
BOTANY NSW 1455
Telephone +(61 2) 9666 3922
Facsimile +(61 2) 9666 4507



Date 13th November 2007

Ref C2987-1

One Build Pty Ltd
Level 2 63 Foveaux St
Surry Hills NSW 2010

Attention: Mr Brian Whealing

Dear Sir

Re. COMMISSIONING AND REGISTRATION OF NEW PLANT
AT MONA VALE MARKET SQUARE, 25 PARK STREET MONA VALE LIFT No1

We are pleased to inform you that your lift is now commissioned. To complete this process as part of the OHS regulations 2002 you, as the owner of the plant, must now register your item/s of plant (lift/s) with WorkCover NSW.

Provided herein our Safe to Operate Statement and a WorkCover Application for Registration form. To assist you, all the relevant lift particulars have been completed on your behalf. You, as the owner of the plant, need to complete the following 3 steps:

1. Complete the WorkCover Application Registration form.
2. Lodge this form with payment with the WorkCover Authority NSW.
3. After registration is complete a certificate of registration is issued. You need to permanently fix this document in the Lift motor room or alternatively send it back to us at the above mentioned address and we will fix it in the lift motor room on your behalf.

NOTICE: FAILURE TO COMPLETE ANY OF THESE STEPS COULD RESULT IN LEGAL ACTION, FINES AND/OR DISRUPTION TO THE ONGOING MAINTENANCE SERVICE TO YOUR LIFTS

(It is desirable that a copy of the registration be sent to our offices so we may keep it with your other documentation)

We trust that this assists with the registration process; however, if you require further assistance, please do not hesitate to contact our offices.

Yours faithfully
LIFTRONIC PTY LIMITED


Joanne Fell
Service Contracts Manager

PROUD TO BE



AUSTRALIAN

3i) Type of power is circled "hydraulic" or "water" or "electric" or "electnc/hydraulic" or "pneumatic"

3j) Car control type is circled "automatic" or "non-automatic"

3k) Drive/Suspension type is circled "traction" or "drum" or "direct acting" or "chain suspended" or "rope suspended" or "rack and pinion" or "screw"

3l) Is unit a stairway lift? "yes" or "no" If "yes" then carnage type is circled "chair" or "platform"

4) Certification

4a) The lift is safe to operate subject to items 1) and 5)

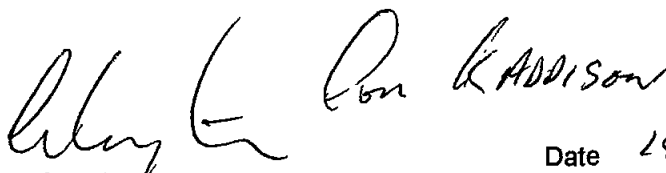
5) Building related items as noted by Lift Contractor

5a) It is recommended that lift/escalator/moving walkway should not be placed into service until the following is satisfied The head contractor/owner should arrange for a competent person to assess all of the building related matters to ensure compliance with all Codes, Legislation and Instructions by the relevant Authorities This following list is provided as a service and does not cover all building related items because our competence in certification only relates to lift/escalator/moving walkway technicalities

Additional Items Noted

- Fill all through holes in the lift shaft
- Label the SWL on the lifting eyes top of shaft
- Make good the gaps around the door frames
- Complete the sprinkler system in the lift pit
- Designate the main switch "Lift Main Switch Lift No 1" at the main switch board
- Provide and maintain a dry pit and sump
- Register the lift with the Work Cover Authority complying with Clause 113 of the Occupational Health and Safety Regulations 2001
- For a completed lift all the above items are to be completed Liftronic are to be advised in writing in accordance with clause 135 of the Occupational Health and Safety Regulation 2001 that these items have been completed

6) Signature of certifier

 Ron Addison

Date 24-11-07

This certification is provided on the basis of the unit being sold at the time that the following Code issue pertained AS 1735 Code in force at time of sale



– Sydney – Brisbane –
– Melbourne –

LIFTRONIC PTY LIMITED

ABN 99 002 886 213

Sydney
Unit 6, 153 Beauchamp Road
MATRAVILLE NSW 2036
PO Box 75
BOTANY NSW 1455
Telephone +(61 2) 9666 3922
Facsimile +(61 2) 9666 4507



13th November 2007

KA, GL C2987

One Build Pty Ltd
Level 2, 63 Foveaux St
Surry Hills NSW 2010

Attention Mr Brian Whealing

Re: Mona Vale Market Square, 25 Park Street Mona Vale Moving Walk No2

Notice to Head Contractor and/or Owner

Subject: Lift/Escalator/Moving Walkway Certified as "Safe to Operate"

Date Certification Issued 13-11-2007 Issued by K Addison of Liftronic Pty Ltd

Description of Unit – Moving Walk

- 1 This certification is issued subject to a qualified person, provided by others, certifying that the building housing the subject lift/escalator/moving walkway is in a satisfactory condition. Implicit in this building certification is the acknowledgement that the safety of lift users and/or lift workers is not compromised including the satisfaction of all Statutory Authority requirements
- 2 It is recommended that lift/escalator/moving walkway should not be placed into service until the building has been certified as outlined in items 1) and 5) This includes the rectification of items as noted by the lift/escalator/moving walkway certifier
- 3 The Head Contractor and/or the Owner is required to register this lift/escalator/moving walkway as an item of plant as outlined in the Occupational Health and Safety Regulations 2001 clause 113 To assist with this registration process the following information is provided and should be included in the plant registration form, as provided by WorkCover
 - 3a) Design Approval/Venification Number LEM 6-83462/05
 - 3b) Name of Statutory Authority with which the design is registered Work Cover NSW
 - 3c) Maximum Rated Capacity in Kg 9000 pph
 - 3d) Maximum Speed in m/s 0.5m/s
 - 3e) Number of Persons Lift = Nil
 - 3f) The lift type is circled "passenger/goods/bed" or "service" or "stairway" or "inclined" or "industrial access" or "orchestra" or "person with limited mobility-low rise platform" or "person with limited mobility-other" or "other" If other then type is listed as "Moving Walk"
 - 3f) Manufacturer of plant SJEC
 - 3g) Contract serial number C2987-MW2
 - 3h) Model name Moving Walk Model Number MW-9000-0.5

PROUD TO BE



AUSTRALIAN

3i) Type of power is circled "hydraulic" or "water" or "electric" or "electnc/hydraulic" or "pneumatic"

3j) Car control type is circled "automatic" or "non-automatic"

3k) Drive/Suspension type is circled "traction" or "drum" or "direct acting" or "chain suspended" or "rope suspended" or "rack and pinion" or "screw"

3l) Is unit a stairway lift? "yes" or "no" If "yes" then carnage type is circled "chair" or "platform"

4) Certification

4a) The moving walkway is safe to operate subject to items 1) and 5)

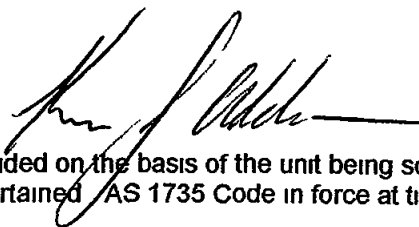
1) Building related items as noted by Lift Contractor

5a) It is recommended that lift/escalator/moving walkway should not be placed into service until the following is satisfied The head contractor/owner should arrange for a competent person to assess all of the building related matters to ensure compliance with all Codes, Legislation and Instructions by the relevant Authorities This following list is provided as a service and does not cover all building related items because our competence in certification only relates to lift/escalator/moving walkway technicalities

Additional Items Noted

- Fill the gap between the moving walk trusses at top and bottom
- Register the Moving Walk with the Work Cover Authority
- Provide a copy of the registration paperwork to Liftronic to fit inside the controllers

6) Signature of certifier



Date

13/11/07

This certification is provided on the basis of the unit being sold at the time that the following Code issue pertained AS 1735 Code in force at time of sale



– Sydney – Brisbane –
– Melbourne –

LIFTRONIC PTY LIMITED

ABN 99 002 886 213

Sydney
Unit 6, 153 Beauchamp Road
MATRAVILLE NSW 2036
PO Box 75
BOTANY NSW 1455
Telephone +(61 2) 9666 3922
Facsimile +(61 2) 9666 4507



Date 13th November 2007

Ref C2987-MW2

One Build Pty Ltd
Level 2 63 Foveaux St
Surry Hills NSW 2010

Attention: Mr Brian Whealing

Dear Sir

Re: COMMISSIONING AND REGISTRATION OF NEW PLANT
AT MONA VALE MARKET SQUARE, 25 PARK STREET MONA VALE MOVING WALK No2

We are pleased to inform you that your lift is now commissioned. To complete this process as part of the OHS regulations 2002 you, as the owner of the plant, must now register your item/s of plant (lift/s) with WorkCover NSW.

Provided herein our Safe to Operate Statement and a WorkCover Application for Registration form. To assist you, all the relevant lift particulars have been completed on your behalf. You, as the owner of the plant, need to complete the following 3 steps:

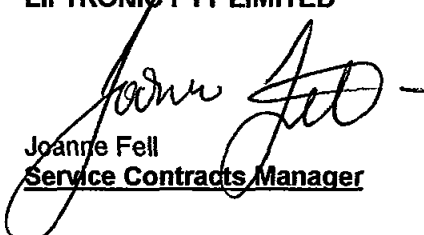
1. Complete the WorkCover Application Registration form.
2. Lodge this form with payment with the WorkCover Authority NSW.
3. After registration is complete a certificate of registration is issued. You need to permanently fix this document in the Lift motor room or alternatively send it back to us at the above mentioned address and we will fix it in the lift motor room on your behalf.

NOTICE: FAILURE TO COMPLETE ANY OF THESE STEPS COULD RESULT IN LEGAL ACTION, FINES AND/OR DISRUPTION TO THE ONGOING MAINTENANCE SERVICE TO YOUR LIFTS

(It is desirable that a copy of the registration be sent to our offices so we may keep it with your other documentation)

We trust that this assists with the registration process; however, if you require further assistance, please do not hesitate to contact our offices.

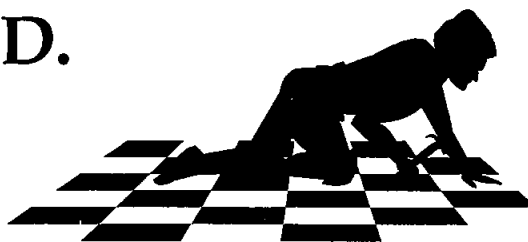
Yours faithfully
LIFTRONIC PTY LIMITED


Joanne Fell
Service Contracts Manager

PROUD TO BE  AUSTRALIAN

FAB FLOORS PTY LTD.

A B N 75 001 642 744 & A C N 001 642 744
Unit 1, 380 Marion Street, Condell Park 2200
Phone 02 9791 1232 & Fax 02 9791 1235



13 November 2007

TO ONEBUILD CONSTRUCTIONS,

ATTENTION KHURRAM NAZIR,

FAX NUMBER 9218-3299,

REGARDING WARRANTY FOR – DAN MURPHY'S MONA VALE.

Fab Floors Pty Ltd gives a One year installation Warranty This Warranty only covers for defective work due to our Labour

This Warranty only covers for defective Labour and does not cover for any circumstances that are out of our control, i.e. Damage Caused by water, damages caused by misuse etc

All Flooring works have been carried out in a good workmanship manner, in accordance with the relevant Australian Standards, design documentation and to manufacturer's requirements This is the final certification that all works have been completed in accordance with BCA specs C1 10 and spec C1 10a

We have requested Warranty, Fire, Slip and Maintenance details from Armstrong, Amtico and Polyflor We will forward these to you as soon as received by us

Thank you for your time Khurram and please contact me if you have any enquiries

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Nicole Vella', with a stylized flourish at the end.

NICOLE VELLA,
FAB FLOORS PTY LTD.



EXCELON MAINTENANCE TIPS

Initial Care (upon installation) Must conform to Australian Standard AS1884-1985 Floor Coverings – Resilient Sheet and Tiles – Laying and Maintenance Practices, Section 4.3 “Fast Start” does not constitute a pre-sealed surface

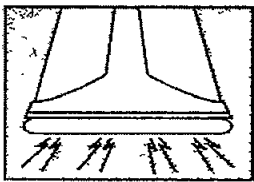
MANUFACTURERS INSTRUCTIONS – To provide a working surface prior to hand-over

1 Remove all debris 2 Sweep / vacuum / dust mop 3, Complete one of the following options

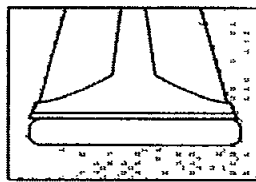
Option 1 – Scrub floor using a neutral detergent (Armstrong ONCE ‘N DONE) Rinse surface with fresh water Ensure surface is completely dry then apply a minimum three (3) coats of high quality, metal cross-linked finish (Armstrong SHINEKEEPER) Allow the surface to dry completely between each coat Dry burnish

Option 2 – If floor is badly soiled strip back floor surface using a low alkali stripper (Armstrong NEW BEGINNING) Rinse surface with fresh water Ensure surface is completely dry, then apply a coat of high quality sealer (Armstrong PREMIUM SEALER) Allow the surface to dry completely then apply a minimum three (3) coats of high quality, metal cross-linked finish (Armstrong SHINEKEEPER) Allow the surface to dry completely between each coat Dry burnish

Ongoing Care (after hand-over) Apply additional coats of polish to create a foundation for ongoing maintenance, i.e. to withstand regular scrubbing and burnishing Depending upon condition of surface repeat and follow Option 1 or Option 2 and build up total coats of applied polish to desired level For optimum performance a total to five (5) coats of polish are recommended

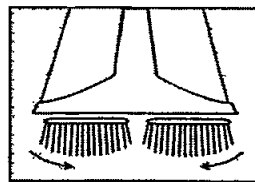


Static Mop / Vacuum
DAILY

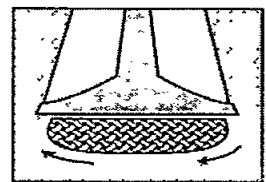


Damp Mop
REGULAR

OR



Scrub
REGULAR



Dry Burnish
AS REQUIRED

Routine Maintenance

Sweep regularly and mop regularly using a neutral detergent (Armstrong ONCE N' DONE) Frequency and type of function depends on traffic flow, environmental conditions, access and customer requirements Frequency may need to be adjusted depending on the prior conditions, especially if a light colour has been chosen

As Required

Dry buffing will restore dull, worn spots and increase the cleanability of the floor If burnishing is required undertake in unobstructed areas only This should be carried out on CLEAN surfaces

Prevention

Ensure adequate protective matting is used at entrances, more dirt stopped at the entrances means less dirt trafficked through the building Sand and grit are abrasive and damage floors Ensure adequate protection is afforded under furniture

Stain Removal

Treatment should be carried out when stains are fresh Use a white or red pad in combination with a neutral floor cleaner After stains have been removed wipe floor with clean water

General Hints

- 1 **DO NOT USE** benzene, toluol, acetone, trichloroethene, thinner, oilwax or strong scouring powders as these will damage the floor
- 2 Auto scrubbing in unobstructed areas takes approximately 20% of the time of damp mopping For maximum efficiency use damp mopping in obstructed areas only
- 3 Spot mopping / spot scrubbing should be used when necessary **Spillages** – post wet floor signs and wipe up immediately Allow to dry and remove signs
- 4 All resilient flooring should be protected during the construction period (use Armstrong TOPGARD)
- 5 Excelon is manufactured with a FAST START surface which allows polishes to be directly applied without using sealers Please contact Armstrong for further information
- 6 If re-coating is desired, then carry out in accordance with floor finish manufacturers recommendations

For further Armstrong information

Freecall 1800 632 624

www.armstrong-aust.com.au

TOPIC

FIRE TEST RESULTS

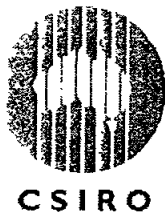
Written By P J Byron
Date Written 17/06/03

AS/NZS 1530.3.1999 Methods for Fire Tests on Building Materials, Components & Structures.

Part 3: Simultaneous determination of Ignitability, Flame, Propagation, Heat Release & Smoke Release

RANGE NAME	TEST		RESULTS				PAGE	
	Organisation	Date Issued	Reference	Ignitability	Spread of Flame	Heat Evolved		Smoke Developed
Safeguard	CSIRO	20/02/98	FNE7014	17	0	1	4	3
Possibilities (Petit Point & Tapestry)	CSIRO	22/07/91	FNE5925	16	0	1	5	6
Contract Interior / Timberline	AWTA	23/11/00	7-496368-CV	16	0	1	5	7
Accolade Plus / Accolade Safe Plus	AWTA	13/12/01	7-506315-CV	13	0	1	6	8
Classic Corlon	CSIRO	07/01/98	FNE6989	15	0	1	5	9
Corlon Impressions	CSIRO	07/01/98	FNE6990	16	0	1	4	10
Wallflex UBX	AWTA	11/02/02	7-507446-CV	16	0	0	5	13
Armatrans	CSIRO	06/03/92	FNE6023	15	0	1	4	14
Accessories (Contact Adhesive)	AWTA	15/04/99	7-483286-CV	13	0	1	6	15
Excelon 3mm (Imperial, Designer Mosaic, Stonetex, Accents, Foothold, Medtile)	CSIRO	28/04/97	FNE6804	14	0	0	5	16
Scala (DLW)	CSIRO	18/02/99	FNE7118	16	0	3	6	21
Armabon NG (Next Generation)	AWTA	23/02/99	7-482221-CV	12	0	0	6	22
Accessories (Skirting Board Tape)	AWTA	01/06/99	7-484463-CV	16	0	3	6	23

ISSUE	REVISION DESCRIPTION	APPROVED	POSITION	DATE
16	Removal of old products & addition of DLW		Manager, Quality & Technical	17/06/03
	Contour PUR		Development	



Industrial Research Services

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

Registered Testing Authority - Building Code of Australia

27 October 2004

Our Ref EN13 / 580 03/0212

TEST REPORT No. 3060-1s

Requested by Armstrong World Industries Aust Pty Ltd
on (date) 20 October 2004
Manufacturer Armstrong World Industries Aust Pty Ltd
Product Desc Excelon 3mm tile (a)
300mm x 300mm
Sampling details
Where Delivered
Date 26 October 2004
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 1999	Slip resistance classification of new pedestrian surface materials Appendix A WET Pendulum (Four S slider)		
	Mean BPN	42	X
AS/NZS 4586 1999	Slip resistance classification of new pedestrian surface materials, Appendix D OIL-WET Ramp		
	Mean overall acceptance angle	8.9°	R 9

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.

<u>RANGE NAME</u>	<u>TEST</u>		<u>Reference</u>	<u>RESULTS</u>				<u>PAGE</u>
	<u>Organisation</u>	<u>Date Issued</u>		<u>Ignitability</u>	<u>Spread of Flame</u>	<u>Heat Evolved</u>	<u>Smoke Developed</u>	
DLW Deliplan	CSIRO	03/12/99	FNE7048	15	0	1	6	24
DLW Linoleum	CSIRO	Valid until July 2002	Technical Assessment 223	N/A	N/A	N/A	N/A	25
Bruce/Hartco Hardwood Floors – Engineered, Impregnated	AWTA	17/10/00	7-487831-CV	14	8	8	6	27
Bruce/Hartco Hardwood Floors – Engineered, Non-Impregnated	AWTA	17/10/00	7-495409-CV	14	7	6	2	28
Bruce/Hartco Hardwood Floors – Solid	AWTA	17/10/00	7-495392-CV	13	8	7	3	29
Contract Interior Acoustic	AWTA	27/11/00	7-498450-CV	17	0	3	6	30
Futura Accessories (Contact Adhesive)	AWTA	09/01/01	7-497382-CV	16	0	4	6	31
Bravo	AWTA	06/03/01	7-498718-CV	13	0	2	6	32
Accolade Tandem	AWTA	26/03/01	7-499239-CV	15	0	1	5	33
Armalock	AWTA	20/08/02	7-512483-CV	13	5	4	6	34
Woodfloor	AWTA	20/08/02	7-512497-CV	14	8	8	5	35
Daytile 3000	AWTA	12/09/02	7-513098-CV	16	0	2	6	36
Scala (Willie)	AWTA	20/08/02	7-512484-CV	14	3	4	7	37
DLW Contour PUR	AWTA	11/06/03	7-519608-CV	16	0	3	5	38

Certificate of Test

HF07ANR4357

FNR 0140C

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This is to certify that the specimen described below was tested by the CSIRO Division of Manufacturing and Infrastructure Technology in accordance with Australian Standard ISO 9239, Reaction to fire tests for floorings, Part 1 Determination of the burning behaviour using a radiant heat source, 2003, on behalf of

Armstrong World Industries (Australia) Pty Ltd
29-39 Mills Road
BRAESIDE VIC
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 0140

**SAMPLE
IDENTIFICATION** Excelon 3mm

**DESCRIPTION OF
SAMPLE**

The sponsor described the tested specimen as a homogeneous, semi-rigid PVC floorcovering tile. The specimen was applied to a 4.5 mm thick fibre-reinforced-cement board using PS720 – synthetic rubber adhesive at an application rate of 7 m²/L to 10 m²/L

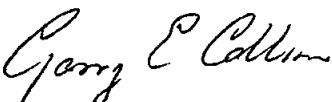
Nominal thickness 3.0 mm
Nominal mass 6.4 kg/m²
Colour Mitchell White

**SAMPLE
CLASSIFICATION**

Mean distance of flame travel	110.0 mm
Average Critical Radiant Flux	>11 kW/m ²
Average smoke obscuration	140 % min

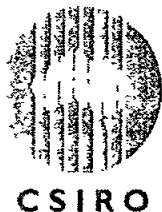
Testing Officer Russell Collins Date of Test 14 May 2004

Issued on the 18th day of May 2004 without alterations or additions


Garry E Collins
Manager, Fire Testing and Assessments



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



Industrial Research Services

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

REPORT NO 3060-1s
ISSUE DATE 27 October 2004
MANUFACTURER Armstrong World Industries Aust Pty Ltd
PRODUCT DESC Excelon 3mm tile (a)
300mm x 300mm

Page 2 of 4

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586 1999 (Appendix A)

Test Date 27 October 2004

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

Pendulum Friction Tester Stanley (S/N 9234), calibrated 11/7/02

	Specimen				
	1	2	3	4	5
Last 3 swings	43	40	40	44	45
	42	40	40	44	44
	41	40	40	42	42
Averages	42	40	40	43	44

Mean BPN : 42

CLASS :

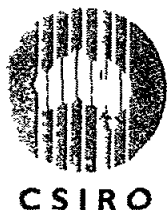
X

This product also passes the wet slip resistance requirements of AS/NZS 3661 1 1993

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)

Interpretation of class

Contribution of the floor surface to risk of slipping when wet = Moderate



Industrial Research Services

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

REPORT NO 3060-1s
ISSUE DATE 27 October 2004
MANUFACTURER Armstrong World Industries Aust Pty Ltd
PRODUCT DESC Excelon 3mm tile (a)
300mm x 300mm

Page 3 of 4

SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

OIL-WET RAMP TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586 1999 (Appendix D)

Test Date 27 October 2004

Location Slip Resistance Laboratory

Sample Unfixed

Joint width 0 mm

Surface structure
☒ Smooth
☐ Profiled
☐ Structured

RESULTS

Mean overall acceptance angle: 8.9 °

Displacement space: not tested

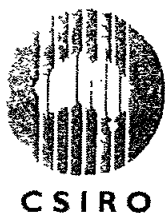
CLASSIFICATION:

Slip Resistance Assessment Group:

R 9

Displacement Space Assessment Group:

-



Industrial Research Services

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

REPORT NO 3060-1s
ISSUE DATE 27 October 2004
MANUFACTURER Armstrong World Industries Aust Pty Ltd
PRODUCT DESC Excelon 3mm tile (a)
300mm x 300mm

Page 4 of 4

Date and Place 27 October 2004, Highett, Vic

Name(s), Title(s) and Signature(s)

PETER WESTGATE
SENIOR LABORATORY TECHNICIAN

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

PR W271004-17 04 50

Certificate of Test

HF07ANR5275

FNR 8616C

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This is to certify that the specimen described below was tested by CSIRO Manufacturing and Infrastructure Technology in accordance with Australian Standard ISO 9239, Reaction to fire tests for floorings, Part 1: Determination of the burning behaviour using a radiant heat source, 2003, on behalf of:

Amtico International Pty. Ltd
Unit 3/31 Gibbes Street
CHATSWOOD NSW
AUSTRALIA

A full description of the test specimen and the complete test results are detailed in the Division's sponsored investigation report numbered FNR 8616.

SAMPLE**IDENTIFICATION:** Amtico Vinyl Tiles**DESCRIPTION OF
SAMPLE:**

The sponsor described the tested specimen as PVC tile floorcovering comprising three layers:

Layer 1: 1.0-mm thick clear PVC wear layer

Layer 2: 0.5-mm thick patterned film

Layer 3: 1.0-mm thick PVC backing

The specimen was backed with a 4.5-mm thick fibre-reinforced-cement board

Nominal total thickness: 2.5 mm

Nominal total mass: 3.1 kg/m²

Colour: Wenge Wood (dark wood pattern); Biancone (white marble pattern)

SAMPLE

CLASSIFICATION:	Mean distance of flame travel	316.7 mm
	Average Critical Radiant Flux	7.2 kW/m ²
	Average smoke obscuration	420 %/min

Testing Officer: Russell Collins

Date of Test: 6 June 2006

Issued on the 20th day of June 2006 without alterations or additions

Garry E Collins
Manager, Fire Testing and Assessments



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



HOME



PRODUCT RANGE



TECHNICAL



CONTACT US



DISTRIBUTORS

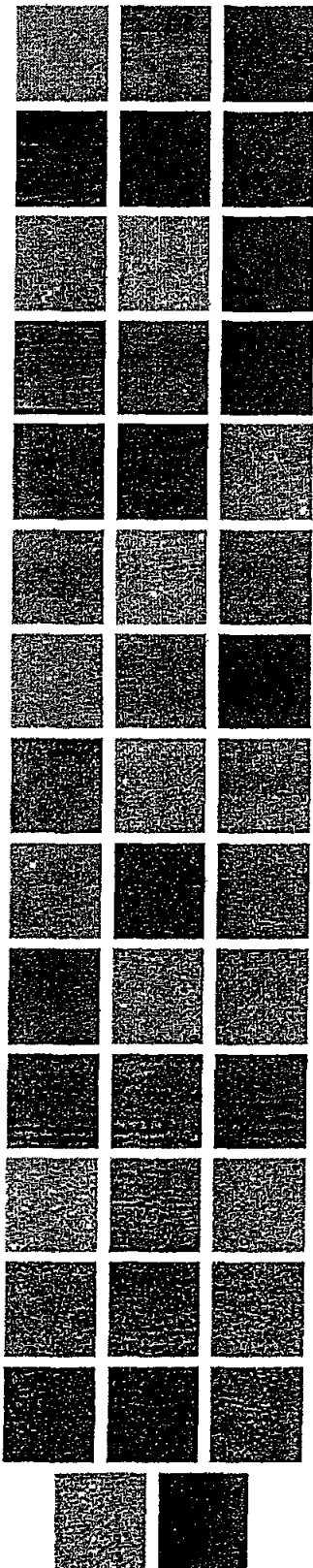


NEWS UPDATE



SI

PO BOX 3, RADCLIFFE NEW ROAD, WHITEFIELD, MANCHESTER M45 7NR UK TEL: +44(0)161 767 1111 FAX +44(0)161 76

LUXURY VINYL TILES**Expona Wood PU - Floorcare****Performance & properties****Product specification****Floorcare information****Safety Data Sheets****Product Gallery****Order samples**

Download this page.  [ExponaPUFloorcare.pdf \(11](#)
Further information' Technical libr

Polyflor Expona Art & Design PU incorporates a polyurethane surface treatment, which protect the floorcovering by resisting soiling and scuffing. This protection facilitates a reduction in the intensity of the construction clean and provides the foundation for the ongoing maintenance regime. This easier cleanability offers maintenance cost savings when compared with non-treated materials.

The following maintenance instructions are designed to minimise the cost factor, without compromising the long-term appearance of your floorcovering.

INITIAL CONSTRUCTION CLEAN

- Remove all loose debris.
- Ensure that all traces of adhesive are removed from the surface of the floorcovering.
- Mop sweep or vacuum to remove dust and grit.
- Damp mop with a neutral detergent.
- If required, dry buff with a 1000 rpm plus rotary machine fitted with a suitable clean pad.

ROUTINE MAINTENANCE

- The following recommendations are provided as a guideline, and the frequencies can be changed to optimise the appearance.

DAILY

- Mop sweep or vacuum to remove dust and loose dirt.
- If required, spot clean to remove stubborn marks with a neutral cleanser.
- If required, dry buff to restore finish.

WEEKLY/MONTHLY

- Assess the appearance of the floor.
- If required, scrub with a scrubber dryer fitted with suitable pads, and using neutral cleanser (pH 7 to 9).
- If required, dry buff to restore finish.

APPLICATION OF A FLOOR DRESSING

- Should you wish to apply a dressing to the floorcovering to provide extra protection in heavily trafficked areas, please follow the details of the procedure below.
- Using an applicator and tray, or Kentucky mop with a wringer and bucket, the first coat should be applied thinly and evenly across the floor, to within 200mm of the skirtings. This should then be left to dry. This normally takes approximately thirty minutes, depending on the ambient conditions and the thickness of the coating.



HOME



PRODUCT RANGE



TECHNICAL



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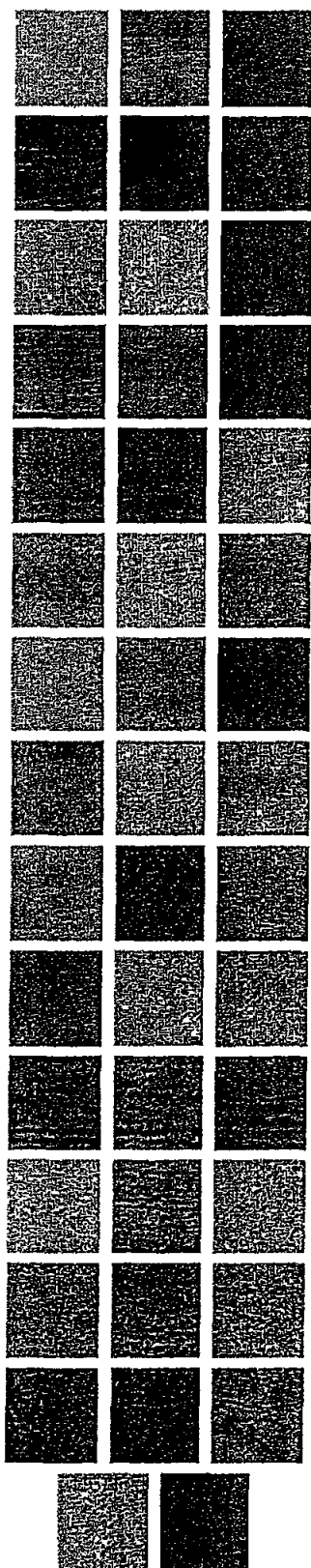


NEWS UPDATE



SI

PO BOX 3, RADCLIFFE NEW ROAD, WHITEFIELD, MANCHESTER M45 7NR UK TEL +44(0)161 767 1111 FAX +44(0)161 767 1111

LUXURY VINYL TILES**Expona Wood PU - Floorcare**

Performance & properties

Product specification

Floorcare information

Safety Data Sheets

Product Gallery

Order samples

Download this page ExponaPUFloorcare.pdf (11 pages)
Further information: Technical library

Polyflor Expona Art & Design PU incorporates a polyurethane surface treatment, which protects the floorcovering by resisting soiling and scuffing. This protection facilitates a reduction in the intensity of the construction clean and provides the foundation for the ongoing maintenance regime. This easier cleanability offers maintenance cost savings when compared with non-treated materials.

The following maintenance instructions are designed to minimise the cost factor, without compromising the long-term appearance of your floorcovering.

INITIAL CONSTRUCTION CLEAN

- Remove all loose debris
- Ensure that all traces of adhesive are removed from the surface of the floorcovering
- Mop sweep or vacuum to remove dust and grit
- Damp mop with a neutral detergent
- If required, dry buff with a 1000 rpm plus rotary machine fitted with a suitable clean pad

ROUTINE MAINTENANCE

- The following recommendations are provided as a guideline, and the frequencies can be changed to optimise the appearance

DAILY

- Mop sweep or vacuum to remove dust and loose dirt
- If required, spot clean to remove stubborn marks with a neutral cleanser
- If required, dry buff to restore finish

WEEKLY/MONTHLY

- Assess the appearance of the floor
- If required, scrub with a scrubber dryer fitted with suitable pads, and using neutral cleanser (pH 7 to 9)
- If required, dry buff to restore finish

APPLICATION OF A FLOOR DRESSING

- Should you wish to apply a dressing to the floorcovering to provide extra protection in heavily trafficked areas, please follow the details of the procedure below
- Using an applicator and tray, or Kentucky mop with a wringer and bucket, the first coat should be applied thinly and evenly across the floor, to within 200mm of the skirtings should then be left to dry. This normally takes approximately thirty minutes, depending on the ambient conditions and the thickness of the coating.

OTHERS IN THIS RANGE

Camaro Studioflor Wood
Camaro Studioflor Stone and Design
Expona Stone+Design PU
Expona Wood PU
Kudos Wood PU
Kudos Stone PU

NON-DIRECTIONAL**RUBBER****MARBLEISED****SAFETY****SPECIALISED****ESD****SEMI-FLEXIBLE TILES****ACCESSORIES**

- When the first coat is dry, a second coat should be applied at right angles to the direction of the first. Subsequent coats should be applied at right angles, and the final coat should be applied right up to the skirting.
- Two or three coats are usually sufficient to provide excellent resistance to abrasion, scuffing and removal of black heel marking. However, be guided by your own periodic assessments for the particular location.
- In order to minimise costs, subsequent polish applications may be applied only to traffic paths.
- Periodically - generally every six months - assess the appearance of the floor. If there is an unacceptable build up of polish, this should be stripped and reapplied, as per the instructions above.

NOTE The maintenance regime requires the installation of an effective barrier matting system

- Cleaners and detergents should be diluted as per the manufacturers' instructions

These maintenance instructions are intended for Polyflor Expona Art & Design PU, which incorporates a polyurethane surface treatment. For other Polyflor products, reference should be made to their specific floorcare sheets.

- For further guidance, contact Polyflor Customer Technical Support

Always follow the Health and Safety guidance provided

**REGULAR CLEANING IS MORE BENEFICIAL TO THE FLOORCOVERING
AND MORE COST-EFFECTIVE THAN OCCASIONAL, HEAVY CLEANING**

EXPONA WOOD PU - FROM POLYFLOR LTD

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HOME



PRODUCT RANGE



TECHNICAL



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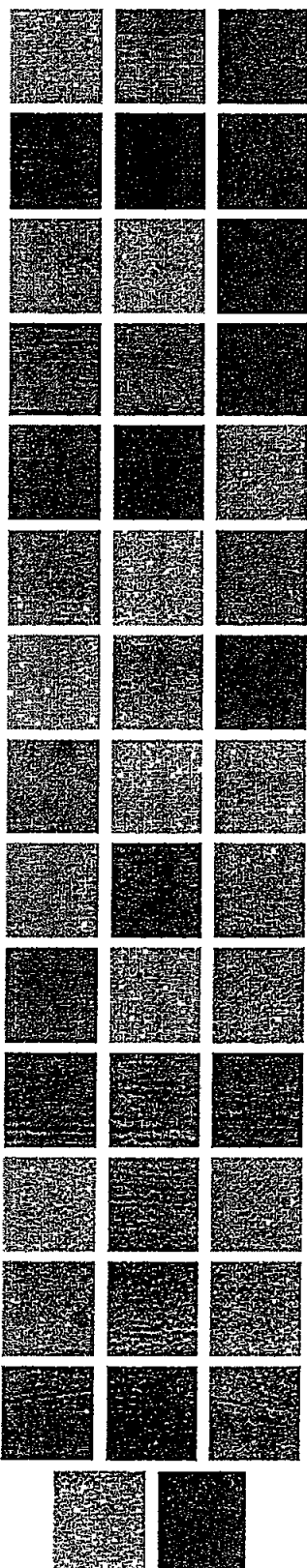
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LUXURY VINYL TILES



Expona Wood PU - Product specification

Performance & properties

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Order samples

Download: ExponaPUProdSpec.pdf (12

MATERIAL DESCRIPTION

- The flooring shall be Polyflor Expona Wood, as supplied by Polyflor Ltd of Manchester England
- The flooring shall be flexible PVC plank flooring in 3.00mm thickness
- It shall have the following laminated construction: circa 0.70mm clear PVC wear layer, circa 0.07mm print film layer, and circa 2.23mm backing ply

PHYSICAL PROPERTIES

- In accordance with EN 649:1996, the in-use classification must be at least 23/34/43, described in EN 685:1996, i.e. domestic areas with intense use, commercial areas with heavy traffic, and heavy light industrial areas
- In accordance with BS 6859:1999 the classification is Type I Grade 1, i.e. suitable for residential, light commercial and commercial
- In respect of flame spread, the flooring shall have been fully tested to EN 13501-1 and certified as having Class Bfl-S1, achieving the criteria EN ISO 9239-1 $\geq 8 \text{ kW/m}^2$ and the mandatory requirement of EN ISO 11925-2 pass. The flooring shall have been fully tested to ASTM E648 by an independent test house and be classified as Class 1 rating, making it suitable for use in institutional, commercial and public buildings
- This product does not accumulate static charges above 2kV and is classified as 'antistatic' when tested to EN 1815. For specialist applications where there is a requirement to dissipate the electrostatic charge, see the Polyflor ESD product ranges
- In respect of light fastness, the flooring shall have been fully tested to ISO 105-B02 Method 3 as having a pass to ≥ 6

PRODUCT QUALITY

- The supplier of the floorcovering must be in possession of a valid quality systems certificate showing compliance with BS EN ISO 9001:2000
- The manufacturer of the floorcovering must be in possession of a valid environmental certificate showing compliance with ISO 14001:1996

INSTALLATION

- A moisture test must be carried out, to ensure that the subfloor has dried out to a level consistent with the application of vinyl flooring. The test should be carried out using a hygrometer, in accordance with the instruction in BS 8203:1996 in the UK and other relevant national standards. The result should not exceed 75%RH, once equilibrium has been achieved
- The adhesive used must be approved by Polyflor, to ensure full product compatibility
- Products must be fully conditioned to the environment in which they are to be installed
- Installation must be carried out in accordance with BS 8203:1996 in the UK and VOB Part C, DIN 18365 in Germany and other relevant standards and the instructions of



HOME



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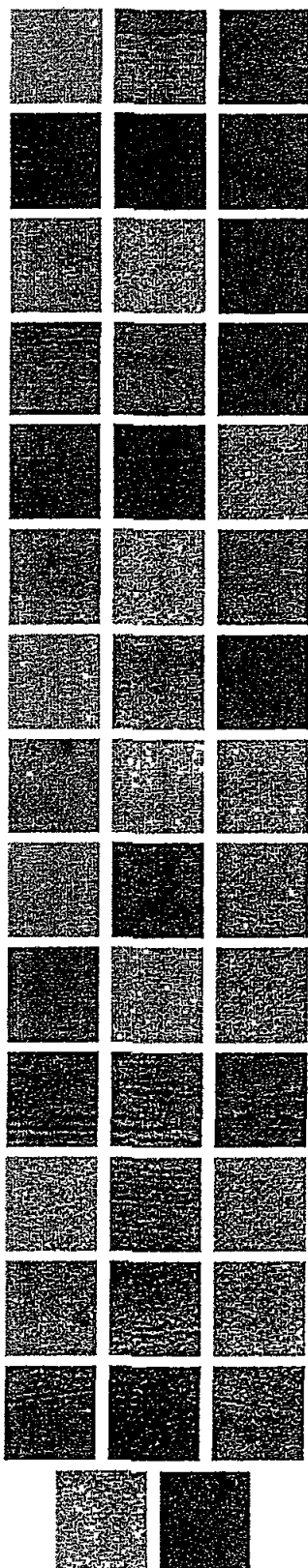
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LUXURY VINYL TILES



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Product specification

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Safety Data Sheets

Product Gallery

Or sam]

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MATERIAL DESCRIPTION

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- The flooring shall be flexible PVC plank flooring in 3 00mm thickness
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PHYSICAL PROPERTIES

- In accordance with EN 649 1996, the in-use classification must be at least 23/34/43, described in EN 685, ie domestic areas with Intense use, commercial areas with heavy traffic, and heavy light industrial areas
- In accordance with F1303 - 99 the classification is Type I Grade 1, ie suitable for residential, light commercial and commercial
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NON-DIRECTIONAL**RUBBER****MARBLEISED****SAFETY****SPECIALISED****ESD****SEMI-FLEXIBLE TILES****ACCESSORIES****Polyflor**

- Suitable for use with underfloor heating up to 27°C See Polyflor installation instructions for details

NOTE: The subtle blending of shades and graining variation can best be obtained by the random shuffling of 3-4 packs of tiles

- By adding a choice of 10 standard border and corner designs and a range of feature strips, even more unique flooring concepts are available

DESIGN CATEGORY

- The full complement of design elements such as tile and plank strips, keystones as well as tiles with clipped corners will be delivered completely pre-cut in the desired format. Our CAD-experts will service and support you from an individual consultancy to the translation of your creative ideas and plans, to ensure that your ideas are interpreted correctly, however complex they may appear

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Industrial Research Services

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Telephone 61 3 9252 6000 Facsimile 61 3 9252 6244 Web <http://www.cmit.csiro.au>

REPORT NO	2707-1Bs	Addendum
TEST DATE	9 September 2003	
MANUFACTURER	Polyflor Ltd	
PRODUCT DESC	Expona 6107 BPE, Vinyl, Tested perpendicular to grain	
	Size 3mm thick x 152mm x 914mm planks	

DETERMINATION OF Rz SURFACE ROUGHNESS

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

Test Date 8 September 2003

RESULTS

Location Slip Resistance Laboratory

Rz values

1	46.2
2	21.7
3	42.0
4	42.4
5	30.7
6	25.4
7	25.5
8	40.9
9	45.0
10	62.2

Surface Roughness (Rz) mean = 38.2 microns

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

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

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



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Registered Testing Authority - Building Code of Australia

9 September 2003

Our Ref EN13 / 1055 03/0212

TEST REPORT No. 2707-1Bs

Requested by Polyflor Australia P/L
on (date) 4 September 2003
Manufacturer Polyflor Ltd.
Product Desc Expona 6107 BPE, Vinyl, Tested perpendicular to grain
Size 3mm thick x 152mm x 914mm planks
Sampling details
Where Delivered
Date 4 September 2003
By whom Courier
How (methods) N/A

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This test report consists of 4 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED

		Result	Class
AS/NZS 4586 1999	Slip resistance classification of new pedestrian surface materials Appendix A WET Pendulum (Four S slider)		
	Mean BPN	47	W
AS/NZS 4586 1999	Slip resistance classification of new pedestrian surface materials Appendix A WET Pendulum (TRRL slider)		
	Mean BPN	23	

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

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



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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS/NZS 4586 1999 (Appendix A)

Test Date 8 September 2003

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

Pendulum Friction Tester Stanley (S/N 9234), calibrated 11/7/02

	Specimen				
	1	2	3	4	5
Last 3 swings	44	47	43	55	48
	44	46	42	55	48
	44	46	42	55	48
Averages	44	46	42	55	48

Mean BPN : 47

CLASS :

W

This product also passes the wet slip resistance requirements of AS/NZS 3661.1 1993

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)

Interpretation of class

Contribution of the floor surface to risk of slipping when wet = Low



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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS ZS 4586 1999 (Appendix A)

Test Date 8 September 2003

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

Pendulum Friction Tester Stanley (S/N 9234), calibrated 11/7/02

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	44	46	42	55	48
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Mean BPN : 47

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT ACCORDING TO
AS/NZS 4586 1999 (Appendix A)

Test Date 9 September 2003

RESULTS	Location	Slip Resistance Laboratory	Rubber slider used TRRL
	Sample	Unfixed	Conditioned with grade P400 paper dry
	Cleaning	Deionized water	
	Temperature	23°C	

Pendulum Friction Tester Stanley (S/N 9234), calibrated 11/7/02

	Specimen				
	1	2	3	4	5
Last 3 swings	22	22	20	29	25
	21	22	20	28	24
	21	22	20	28	24
Averages	21	22	20	28	24

Mean BPN : 23

CLASS



Interpretation of class

Contribution of the floor surface to risk of slipping when wet = This reading is too low to achieve a classification when the TRRL rubber is used



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	21	22	20	28	24
	21	22	20	28	24
Averages	21	22	20	28	24

Mean BPN : 23

CLASS



Interpretation of class

Contribution of the floor surface to risk of slipping when wet = This reading is too low to achieve a classification when the TRRL rubber is used



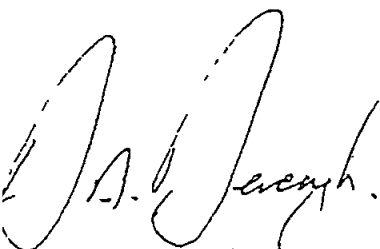
Industrial Research Services

Manufacturing & Infrastructure Technology Graham Road (PO Box 56) Highett Victoria 3190 Australia
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ISSUE DATE	9 September 2003	
MANUFACTURER	Polyflor Ltd	
PRODUCT DESC	Expona 6107 BPE Vinyl, Tested perpendicular to grain Size 3mm thick x 152mm x 914mm planks	

Date and Place 9 September 2003, Highett, Vic

Name(s), Title(s) and Signature(s)


DAVID DEVENISH
MATERIALS ENGINEER

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



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Date and Place

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