# Ocean Technical Data

| | Standard | Result |
|---|---|---|
| Tile Size (mm) | | 228.6 x 1219.2 mm (9” x 48”) |
| Total Thickness (mm) | | 4.5 mm |
| Wear Layer Thickness (mm) | | 0.5 mm |
| Weight (±50 gr/m2) | EN 430 | 7.42 kg / m² |
| Box Quantity | | 2.79 m² / 10 Planks / 20.72 kg |
| Peeling Strength of Layer | EN 431 | Pass |
| Impact sound reduction | ISO 140-7 | L'nT,w 53 |
| Dimension stability | EN 434 | 0.10% |
| Color fastness to light | ISO 105 B02 | ≥ Grade6 |
| Static indentation | EN 433 | ≤ 0.1mm |
| Embossing | Regular/Deep | |
| Flexibility | EN 435 | Pass |
| Abrasion resistance | EN 660-2 | Class T |
| Castor chair resistance | EN 425 | Pass |
| Slip resistance | AS 4586:2013 | P3 / R10 |
| Fire rating | AS. ISO 9239.1 2003 | Pass |
| Usage category | EN 685 | 23/42 |
| Resistance to chemical | EN 423 | Pass |
| Electrostatic properties | EN 1815 | < 2kv |
| Surface treatment | | PUR |
| UL Environmental | UL 82386-4230 | NSF/ANSI 332 - 2011 Silver - Sustainability Assessment for Resilient Floor Coverings |
| Environmental | Floor score (SCS-EC10.3-2014 v3.0) | Indoor Air Quality Certified; low VOC emissions |
| Adhesive | ISO 9001 : 2008 | |
| Quality Control Mgmt | | |
| Environmental Mgmt | ISO 14001 : 2004 | |

For more information ✆ 07 3488 8115

**Email** info@decoline.com.au **Visit** www.decoline.com.au

palmer acoustics Australia Pty Ltd

Member Firm: AAAC
Association of Australasian Acoustical Consultants

# FIELD IMPACT SOUND INSULATION - TEST CERTIFICATE

**Test 4 of 4**

## Vinyl Flooring 4.5mm

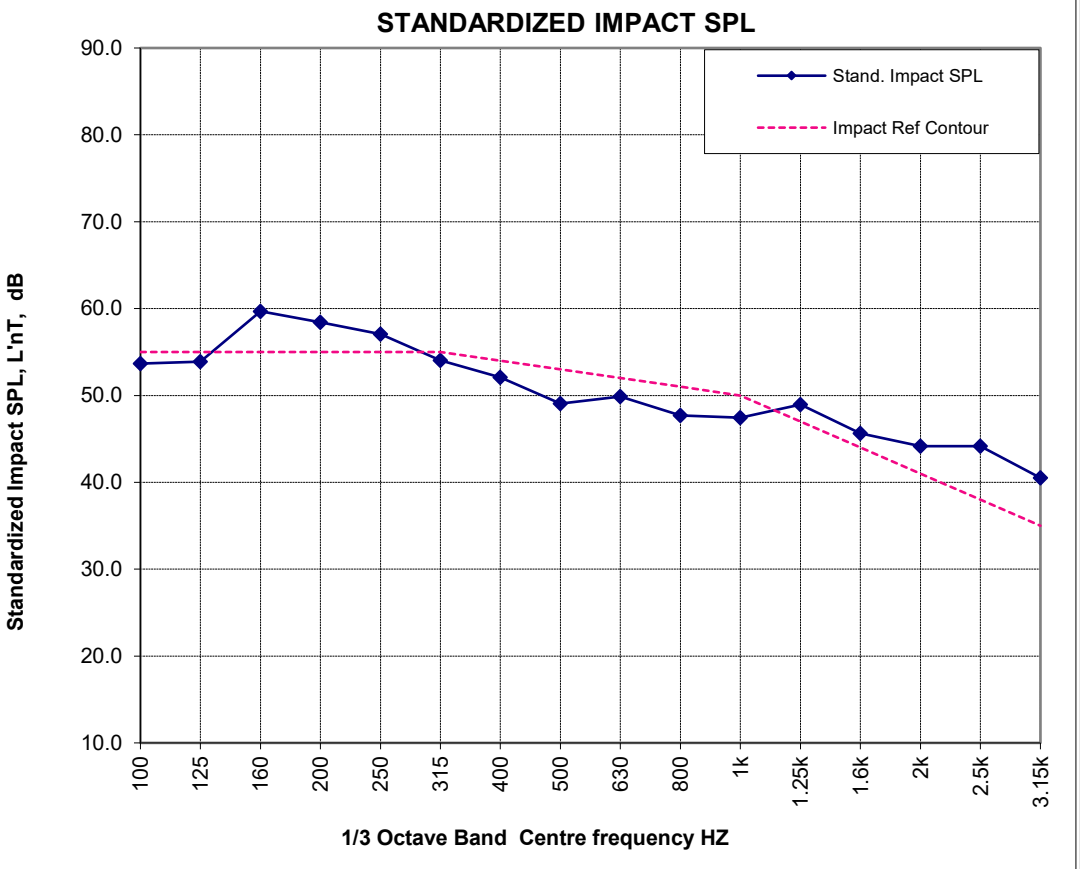
| | | | |
|---|---|---|---|
| **PROJECT:** | PN5726 12 Auster street,Redland Bay LNT | | |
| **Test Location:** | Level 4 U406 Living Area to Level 3 U306 Living Area | **Meas. Date:** | 13-Feb-2023 |
| | | **Meas. Parameter:** | LLeq |
| **Client:** | Decoline | **Tapping Machine:** | Look Line EM50 |
| **Test Performed:** | Javier Navas | **Receiving Room Volume:** | 76 $m^3$ |

**DESCRIPTION OF FLOOR AND SPECIMEN**

| | | | |
|---|---|---|---|
| Test Surface: | Vinyl Flooring 4.5mm | **No. of Source posn:** | 2 |
| | | **Mic. posn:** | 2 sweeps |
| Underlay: | | **RT meas:** | 5 Imp. |
| Adhesive: | | **SLM:** | B&K 2250 |
| Ceiling: | Plasterboard | | |
| Slab: | 200mm Concrete | | |

| **Weighted Standardized Impact SPL** | **L'nT,w** | **53** | ISO 16283-2:2015 & 717-2:2013 |
|---|---|---|---|

| Centre Frequency | Stand. Impact SPL | Impact Ref Contour | Deficiencies |
|---|---|---|---|
| Hz | dB | dB | dB |
| 100 | 53.7 | 55 | |
| 125 | 53.9 | 55 | |
| 160 | 59.7 | 55 | 4.7 |
| 200 | 58.4 | 55 | 3.4 |
| 250 | 57.1 | 55 | 2.1 |
| 315 | 54.0 | 55 | |
| 400 | 52.1 | 54 | |
| 500 | 49.0 | 53 | |
| 630 | 49.9 | 52 | |
| 800 | 47.7 | 51 | |
| 1k | 47.5 | 50 | |
| 1.25k | 49.0 | 47 | 2.0 |
| 1.6k | 45.6 | 44 | 1.6 |
| 2k | 44.2 | 41 | 3.2 |
| 2.5k | 44.2 | 38 | 6.2 |
| 3.15k | 40.5 | 35 | 5.5 |
| | | | Total |
| L'nT,w | 53 | | 28.6 |

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palmer acoustics Australia Pty Ltd

AS4586:2013

# SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

APPENDIX A - WET PENDULUM TESTING

# AUSTRALIAN SLIP CLASSIFICATION TEST REPORT

*Report Prepared For:*

DecoLine Floors

*Sample Tested:*

DecoLine Grey Vinyl Board 1220x228x4.5mm

*Report Issued:* 31/08/2023

AS4586:2013 - APPENDIX A

# SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS



| Client Information: | | Test Facility Information: | |
|---|---|---|---|
| Company Name: | **DecoLine Floors** | Test Facility: | **Australian Slip Testing HQ** |
| Address: | U3/55 Musgrave Road,<br>Coopers Plains QLD 4108 | Address: | PO Box 184,<br>Ashgrove QLD 4060 |
| Client Name: | Darnell Lee | Technician: | B. Yarham |
| Contact: | (07) 3488 8115 | Contact: | 0405 042 814 |

| Test Environmental Details: | | Pre-Test Details | |
|---|---|---|---|
| Environment: | Internal Dry Area | Sample Fixed: | Unfixed |
| Weather: | Fine | Direction of Test: | Against Grain Direction |
| Temperature: | 25 °C | Surface Profile: | Textured |
| Slope in Degrees: | N/A | Slider Type: | Slider 96 |
| Sample Cleaned: | Wiped Clean with Water | Instrument Serial #: | W1020 |

## Sample Details

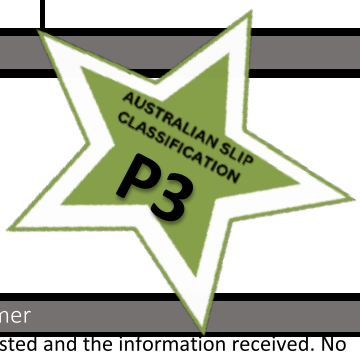
1. 1 x DecoLine Grey Vinyl Board, Sample Size 1220x228x4.5mm
2. 1 x DecoLine Grey Vinyl Board, Sample Size 1220x228x4.5mm
3. 1 x DecoLine Grey Vinyl Board, Sample Size 1220x228x4.5mm
4. 1 x DecoLine Grey Vinyl Board, Sample Size 1220x228x4.5mm
5. 1 x DecoLine Grey Vinyl Board, Sample Size 1220x228x4.5mm

| Slider Conditioning | | Mean Test Values in BPN | | Slope Design Value | |
|---|---|---|---|---|---|
| P400 Paper: | 85 | Test Set #1 | 40 | Maximum Slope Design Value when **WET**: | N/A |
| | | Test Set #2 | 39 | | |
| | | Test Set #3 | 41 | | |
| Lapping Film: | 62 | Test Set #4 | 40 | Maximum Slope Design Value when **DRY**: | 2 ° |
| | | Test Set #5 | 33 | | |
| | | **SRV:** | **39** | | |

## AUSTRALIAN SLIP CLASSIFICATION

Slip Resistance Value in BPN: **39**

Classification: **P3**




## Facility Details

Australian Slip Testing Pty Ltd
PO Box 184, Ashgrove QLD 4060

*Authorised Signatory. B. Yarham*

## Disclaimer

# AUSTRALIAN SLIP TESTING

## NATIONAL CONSTRUCTION CODE (NCC) COMPLIANCE GUIDE



### Learning About Results Interpretation

There are six levels of classification to achieve with the wet pendulum skid tester.
These classifications are known as "**P**" classifications, with "**P**" standing for Pendulum.
**PO** is the lowest classification and **P5** is the highest level of classification.
The classification levels correspond directly with mean **BPN** (British Pendulum Number) as shown in the table below.

This is **Table 2** (below-right). **Table 2** outlines how the classification system works by referencing the **Pendulum SRV** against the classification range outlined in **AS4586**. This outlines the differences you can expect to see using each type of rubber slider on the classification range.

**Key Note**

There are two parts to results interpretion **(Table 3A & Table 3B)** and you will need to decide which best suits your particular application.

First, lets look at **Table 3A** presented on this page.

**Table 3A** is used to classify surfaces of a new build. All existing surfaces should be referenced against **Table 3B** where the **NCC** does not apply.

**TABLE 2 CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE AS 4586 WET PENDULUM TEST**

| Classification | Pendulum SRV | |
|---|---|---|
| | Slider 96 | Slider 55 |
| P5 | > 54 | > 44 |
| P4 | 45 - 54 | 40 - 44 |
| P3 | 35 - 44 | 35 - 39 |
| P2 | 25 - 34 | 20 - 34 |
| P1 | 12 - 24 | < 20 |
| P0 | < 12 | - |

### Do My Results Meet NCC Requirements?

Use the table below **(Table 3A)** to compare your reported results.
For example, if a ramp with a 3° gradient (tested wet) has a reported classification of **P4**, then yes. The result meets NCC requirements.

**TABLE 3A MINIMUM WET PENDULUM TEST CLASSIFICATIONS THAT ARE DEEMED TO SATISFY THE BUILDING APPLICATIONS IN THE NATIONAL CONSTRUCTION CODE**

| Location | Wet Pendulum Test Classification |
|---|---|
| **Stair Treads and Stairway Landings in Buildings - NCC Volumes 1 - 2** | |
| **1.** Stair treads and a stairway landing (when dry) | P3 |
| **2.** Stair treads and a stairway landing (when wet) | P4 |
| **Nosings for Stair Treads and Landings in Public Buildings - NCC Volumes 1 - 2** | |
| **1.** Dry stair tread, a stair non-skid nosing strip and a stairway landing | P3 |
| **2.** Wet stair tread, a stair non-skid nosing strip and a stairway landing | P4 |
| **Ramps in Buildings - NCC Volumes 1 - 2** | |
| **1.** Ramps not steeper than 1:14 (4.1° degrees) gradient - when dry | P3 |
| **2.** Ramps not steeper than 1:14 (4.1° degrees) gradient - when wet | P4 |
| **3.** Ramps steeper than 1:14 (4.1° degrees) up to but not steeper than 1:8 (7.1° degrees) - when dry | P4 |
| **4.** Ramps steeper than 1:14 (4.1° degrees) up to but not steeper than 1:8 (7.1° degrees) - when wet | P5 |

### Frequently Asked Questions

**1). How do I demonstrate NCC compliance?**

**a).** NCC compliance is demonstrated by achieving the values set out in **Table 3A** for either the wet pendulum test or the oil-wet inclining ramp test. It is not necessary to meet both criteria. The deemed-to-satisfy (DtS) provisions set out in Volume One of the BCA apply to ramps steeper than 1:14, treads, landing surfaces or nosings or landing edge strips. In Volume Two of the BCA, the deemed-to-satisfy provisions apply to tread surfaces and nosing strips. The slip-resistance classifications that have NCC deemed-to-satisfy status are set out in **Table 3A**.

**2). What are the NCC slip testing requirements?**

**a).** The DTS Provisions in Volumes One and Two of the NCC now require:
Stairway treads to have:

- A surface with a slip-resistance classification not less than that listed in **Table 3A**, when tested in accordance with **AS 4586**; or
- A nosing strip with a slip-resistance classification not less than that listed in **Table 3A**, when tested in accordance with **AS 4586**.

Ramps to have:

- A floor surface with a slip-resistance classification not less than that listed in **Table 3A**, when tested in accordance with **AS 4586**.

Landings to have:

- A surface with a slip-resistance classification not less than that listed in **Table 3A**, when tested in accordance with **AS 4586**; or
- A strip at the edge of the landing with a slip-resistance classification not less than that listed in **Table 3A**, when tested in accordance with **AS 4586** and where the edge leads to a flight below.

**3). What type of slider should be used for testing?**

**a).** Australian Slip Testing uses both Slider 96 and Slider 55 for various surfaces. Slider 55 has been traditionally used for outdoor surfaces and wet barefoot surfaces (shower areas, pools etc.) Slider 96 was developed to replace Slider 55 for testing smoother indoor surfaces, as it provides greater discrimination between such internal surfaces. Both slider types can be used on all surfaces and their use is at the discretion of the client after consultation with the testing technician to their preference of slider material to be used.

### References

Table 3A - HB198:2014 - Guide to the specification and testing of slip resistance of pedestrian surfaces. *Standards Australia.*

Table 2 - AS4586:2013 - Slip resistance classification of new pedestrian surface materials. *Standards Australia* .

### Disclaimer

# AUSTRALIAN SLIP TESTING

## WET PENDULUM TEST RESULTS GUIDE FOR NON-NCC APPLICATIONS



### Learning About Results Interpretation

There are six levels of classification to achieve with the wet pendulum skid tester.

These classifications are known as "**P**" classifications, with "**P**" standing for **Pendulum**.

**PO** is the lowest classification and **P5** is the highest level of classification.

The classification levels correspond directly with mean BPN (British Pendulum Number) as shown in Table 2.

This is Table 2 (below). Table 2 outlines how the classification system works by referencing the Pendulum SRV against the classification range outlined in AS4586. This outlines the differences you can expect to see using each type of rubber slider on the classification range.

### "Area" Definitions That Apply to Tables 3A and 3B

***Dry Area:*** Those areas in which appropriate control measures ensure an area remains dry and clean when in use.

***Transitional Area:*** Those areas that are intended to be kept dry such as by the provision of design features (awnings, drains, mats, airlocks, etc.) appropriate to the physical location, climate and general exposure to water, as maintained in a dry and clean condition by the facilities manager.

***Wet Area:*** Those areas that are not defined as a dry area or transitional area, which may be either constantly or intermittently wet or otherwise contaminated.

**TABLE 2** CLASSIFICATION OF PEDESTRIAN SURFACE MATERIALS ACCORDING TO THE AS 4586 WET PENDULUM TEST

| Classification | Pendulum SRV | |
|---|---|---|
| | Slider 96 | Slider 55 |
| P5 | > 54 | > 44 |
| P4 | 45 - 54 | 40 - 44 |
| P3 | 35 - 44 | 35 - 39 |
| P2 | 25 - 34 | 20 - 34 |
| P1 | 12 - 24 | < 20 |
| P0 | < 12 | - |

### Notes to Table 3B

**Note 1).** The slip resistances of pedestrian surface materials set out in **Table 3B** are intended as guidance in the context of design for pedestrian safety, taking account other factors including abnormal wear, maintenance, abnormal contamination, the presence (or otherwise) of water, or other lubricants, the nature of the pedestrian traffic (including age, gait and crowding), the footwear (or lack thereof), slope, lighting, and handrails.

**Note 3)**. The minimum classification listed in **Table 3B** is **P1**. It is inappropriate for **Table 3B** to list the lower classification, **P0** since there is no lower limit on classification **P0**. Notwithstanding, some smooth and polished floor surfaces, which do not achieve classification **P1**, may be considered to provide a safe walking environment for normal pedestrians walking at a moderate pace, provided the surface is kept clean and dry; however, should these surfaces become contaminated by either wet or dry material, or be used by pedestrians in any other manner, then they may become unsafe. Therefore, the type of maintenance, the in-service inspection of floors, other environmental conditions, and use should be taken into account when selecting such products.

### References

Table 3B - HB198:2014 - Guide to the specification and testing of slip resistance of pedestrian surfaces. *Standards Australia.*

Table 2 - AS4586:2013 - Slip resistance classification of new pedestrian surface materials. *Standards Australia* .

### Disclaimer



**TABLE 3B** WET PENDULUM TEST CLASSIFICATIONS FOR APPLICATIONS WHERE THE NCC DOES NOT REQUIRE SLIP RESISTANCE

| Location | | Classification |
|---|---|---|
| **External Pavements and Ramps** | | |
| **1.** External ramps including sloping driveways, footpaths etc. steeper than 1:14 (4.1 °) | | P5 |
| **2.** External ramps including sloping driveways, footpaths etc. under 1:14 (4.1 °), external sales, (eg. Markets), external car park areas, external colonnades, walkways, pedestrian crossings, balconies, verandas, carports, driveways, courtyards and roof decks | | P4 |
| **3.** Undercover car parks | | P3 |
| **Hotels, Offices, Public Buildings, Schools and Kindergartens** | | |
| **1.** Entries and access areas including... | **WET AREA** | P3 |
| hotels, offices, public buildings, schools, kindergartens, | **TRANSITIONAL AREA** | P2 |
| internal lift lobbies and common areas of public buildings | **DRY AREA** | P1 (see Note 3) |
| **2.** Toilet facilities in offices, hotels and shopping centres | | P3 |
| **3.** Hotel apartment bathrooms, ensuites and toilets | | P2 |
| **4.** Hotel apartment kitchens and laundries | | P2 |
| **Loading Docks, Commercial Kitchens, Cold Stores, Serving Areas** | | |
| **1.** Loading docks under cover and commercial kitchens | | P5 |
| **2.** Serving areas behind bars in public hotels and clubs, cold stores and freezers | | P4 |
| **Supermarkets and Shopping Centres** | | |
| **1.** Fast food outlets, buffet food servery areas, food courts and fast food dining areas in shopping centres | | P3 |
| **2.** Shop and supermarket fresh fruit and vegetable areas | | P3 |
| **3.** Shop entry areas with external entrances | | P3 |
| **4.** Supermarket aisles (except fresh food areas) | | P1 (see Note 3) |
| **5.** Other separate shops inside shopping centres - **WET** | | P3 |
| **6.** Other separate shops inside shopping centres - **DRY** | | P1 (see Note 3) |
| **Swimming Pools and Sporting Facilities** | | |
| **1.** Swimming pool ramps and stairs leading to water | | P5 |
| **2.** Swimming pool surrounds and communal shower rooms | | P4 |
| **3.** Communal change rooms | | P3 |
| **4.** Undercover concourse areas of sports stadiums | | P3 |
| **Hospitals and Aged Care Facilities** | | |
| **1.** Bathrooms and ensuites in hospitals and aged care facilities | | P3 |
| **2.** Wards and corridors in hospital and ages care facilities | | P2 |

AS4586:2013

# SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS



SAMPLE PHOTO

DecoLine Grey Vinyl Board 1220x228x4.5mm

# AWTA PRODUCT TESTING

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**

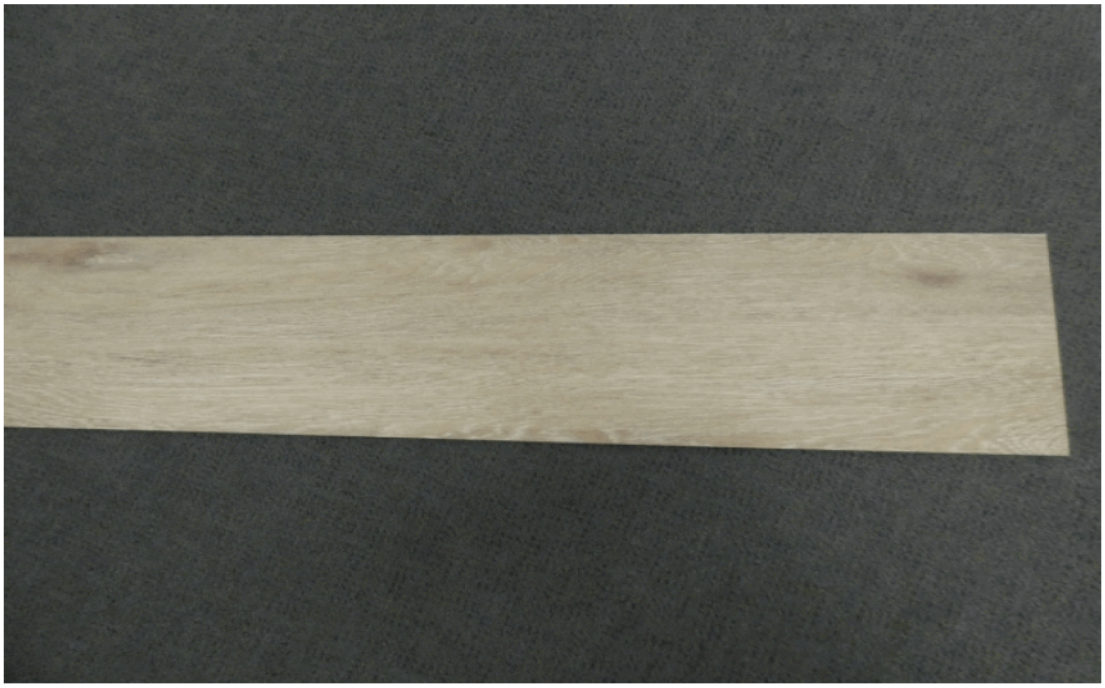
## TEST REPORT

**Client :** Decoline Pty Ltd
3/55 Musgrave Road
Coopers Plains QLD 4108

**Test Number :** 23-003064
**Issue Date :** 8/09/2023
**Print Date :** 12/09/2023

**Sample Description**

Clients Ref : "Vinyl Plank"
Vinyl flooring planks
Colour : Timber Look
End Use : Flooring
Nominal Composition : PVC
Nominal Mass per Unit Area/Density : 7.43kg/m2
Nominal Thickness : 4.5mm



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Chris Campbell
APPROVED SIGNATORY

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

0204/11/06

AWTA PRODUCT TESTING

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# TEST REPORT

**Client :** Decoline Pty Ltd
3/55 Musgrave Road
Coopers Plains QLD 4108

**Test Number :** 23-003064
**Issue Date :** 8/09/2023
**Print Date :** 12/09/2023

**AS ISO 9239.1-2003** **Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source**

Date of Sample Arrival 31-07-2023

Date Tested 07-09-2023

| CHF Value | 1 | 2 | 3 | Mean | |
|---|---|---|---|---|---|
| Length | 8.8 | - | - | - | kW/m² |
| Width | 7.8 | 8.4 | 8.6 | 8.3 | kW/m² |

| Smoke Value | 1 | 2 | 3 | Mean | |
|---|---|---|---|---|---|
| Length | 142 | - | - | - | %.min |
| Width | 151 | 133 | 131 | 138 | %.min |





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**Phone (03) 9371 2400**

# TEST REPORT

**Client :** Decoline Pty Ltd
3/55 Musgrave Road
Coopers Plains QLD 4108

**Test Number :** 23-003064
**Issue Date :** 8/09/2023
**Print Date :** 12/09/2023

| Observation | |
|---|---|
| Blistering | Yes |

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

HF30 not reported as flame out time occurred before 30 minutes.

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BSEN 13238:2010 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 48 hours prior to testing.

Results in accordance with section 8.4 have not been included in the report. They are available upon request.





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MANAGING DIRECTOR

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