



# Infrastructure Technologies

14 Julius Ave (Riverside Corp. Park), North Ryde, NSW, 2113, Australia  
Telephone: 61 2 9490 8252 Facsimile: 61 2 9490 5777 Web: <http://www.csiro.au>

**Registered Testing Authority - CSIRO**

17 November 2016

Our Ref. ES13 / 1606 03/0212

## TEST REPORT No. SY7748.2

Requested by: Avery Dennison Materials Pty Ltd  
 1124 Centre Road  
 Oaklirgh South  
 VIC 3167

on (date): 2 November 2016

Manufacturer: Avery Dennison Materials

Product Desc.: DOL 6000 210 micron transparent matt textured vinyl overlamination film, fixed by clear permanent acrylic based adhesive to clay coated kraft paper, 125 g/m<sup>2</sup>

Sampling details:

Where: Delivered

Date: 2 November 2016

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 5 pages

### SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS 4586:2013	Slip resistance classification of new pedestrian surface materials		
	Appendix A: WET Pendulum (Slider 96). Mean SRV:	43	P3
	Appendix B: DRY (FFT). Mean COF:	0.75	D1
	Appendix A,B: Dual classification:		P3 ,D1
AS 4586:2013	Slip resistance classification of new pedestrian surface materials,		
	Appendix D: OIL-WET Ramp		
	Corrected mean overall acceptance angle:	12°	R 10

In order to interpret the classifications, please refer to Standards Australia Handbook 198, 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 4586:2013 (Appendix A)

Test Date: 17 November 2016

RESULTS: Location: North Ryde Slip Resistance Laboratory Slider used: 96  
Conditioned with grade P400 paper, dry and Imperial Lapping Film Grade 3MIC, wet  
Sample: Unfixed  
Cleaning: Distilled water  
Temperature: 23°C

Pendulum Friction Tester: Stanley (S/N: 7829, calibrated 15/04/2014)  
Test conducted by: Stephen Smith

	Specimen				
	1	2	3	4	5
<b>Last 3 swings (BPN)</b>	43	43	44	44	44
	43	43	43	44	44
	43	42	43	43	43
<b>Averages</b>	43	43	43	44	44
<b>Mean SRV :</b>					<b>43</b>

**CLASS :**

**P3**

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



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**SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS**

**DRY FLOOR FRICTION TEST METHOD**

TEST CARRIED OUT IN ACCORDANCE WITH  
AS 4586:2013 (Appendix B)

Test Date: 17 November 2016

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RESULTS Location: North Ryde Slip Resistance Laboratory Slider 96  
Sample Sample Unfixed Conditioned with grade P400 paper, dry  
Cleaning: Acetone  
Temperature: 23°C  
FFT measurements taken over 2 passes of 800mm each

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

**Run 1: Average COF: 0.72**  
**Run 2: Average COF: 0.73**  
**Mean COF: 0.73**

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

**0.75**

**CLASS :**

**D1**

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**SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS**

**OIL-WET RAMP TEST METHOD**

TEST CARRIED OUT IN ACCORDANCE WITH  
AS 4586:2013 (Appendix D)

Test Date: 17 November 2016

Location: Slip Resistance Laboratory Test conducted by: G Williams, S Smith

Sample Unfixed

Joint width: mm

Surface structure:  Smooth  
 Profiled  
 Structured

**RESULTS**

Corrected mean overall acceptance angle: 12 °

Displacement space: not tested

**CLASSIFICATION:**

**Slip Resistance Assessment Group:**

**R 10**

**Displacement Space Assessment Group:**

**-**

Test shoe used: Lupos Picasso



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Date and Place 17 November 2016, North Ryde, NSW

Name, Title and Digital Signature:



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