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## TEST REPORT


### BS 7976:2002 + A1:2013 Slip Resistance Testing (Laboratory) Performed on a Sample of:

### Vitrified Composite Decking

### FOR:

### Ryno Group Ltd

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- This report shall not be used for contractual purposes unless signed by the Laboratory or Technical Manager.
- The results given in this report are representative of the sample received only.

REVIEWED & APPROVED BY	SIGNATURE	ISSUE DATE	REPORT NUMBER
Russell Thompson (Technical Manager)		28/08/2025	SP4806A1



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## 2.0 SUMMARY OF TESTING

2.1 Testing was performed in accordance with BS 7976:2002 + A1:2013.

2.2 Classification limits are taken from The HSE 2012 publication “Assessing the slip resistance of flooring.” ([www.hse.gov.uk/pubns/geis2.pdf](http://www.hse.gov.uk/pubns/geis2.pdf)) and are outside the scope of accreditation.





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### **3.0 INTRODUCTION**

Surface Performance Ltd carried out slip testing on Sunday 4th June 2023 & Friday 22nd August 2025 to samples of Himalayan Birch, African Greenwood, Sun Bleached Oak, Brazilian Walnut & White Poplar provided for testing by Ryno Group Ltd.

The sample was supplied by the client and received at the laboratory on Friday 2nd June 2023 and Identified as SP3673A, B, C, D & E also on Thursday 14th August 2025 and identified with Surface Performance Ltd sample number SP4806A, B, C, D & E. The samples are tested as received and the results apply only to the samples tested.

The sample was conditioned for a minimum 24 hours prior to testing at an ambient air temperature of 21-25°C and 40-60% relative humidity in accordance with ISO 291 Class 2 (non tropical countries).

### **4.0 METHOD**

Testing was performed in accordance with BS 7976:2002 + A1:2013 and undertaken using a calibrated pendulum slip tester using Slider 96 & 55.

Testing was carried out at 1 x Location, in 3 directions in both wet & dry conditions.



## 5.0 REQUIREMENTS - HSE 2012 Assessing the Slip Resistance of Flooring.

CLASSIFICATION	PTV RESULT
High Slip Potential	0 - 24
Moderate Slip Potential	25 - 35
Low Slip Potential	36 +

## 6.0 LOCATION PLAN

### 6.1 TEST LOCATION PROXIMITY PLAN

The diagram below identifies the test directions on the sample provided.



## 7.0 TEST RESULTS (Mean of 4,5,6,7,8 as per BS 7976-2)

### Slider 96 Himalayan Birch DRY DIRECTIONS: CLASSIFICATION - **LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 23.1					AIR TEMP (°C) 23.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	57	58	58	57	57	57	57	57	57
B	60	60	58	58	59	59	59	59	59
C	56	56	57	57	58	58	58	58	58

### Slider 96 Himalayan Birch WET DIRECTIONS: CLASSIFICATION - **LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	48	48	49	49	50	50	50	50	50
B	46	46	46	46	46	45	45	46	46
C	47	47	46	46	45	45	45	46	45

### Slider 55 Himalayan Birch DRY DIRECTIONS: CLASSIFICATION - **LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 21.0					AIR TEMP (°C) 21.3				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	96	96	97	98	99	99	99	99	99
B	96	96	98	98	99	100	101	101	100
C	95	95	95	97	97	97	97	97	97

### Slider 55 Himalayan Birch WET DIRECTIONS: CLASSIFICATION - **LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	61	61	60	60	60	60	60	60	60
B	60	61	62	62	61	61	60	60	61
C	60	60	60	59	59	59	59	59	59

**Slider 96 African Greywood DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 23.1					AIR TEMP (°C) 23.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	62	60	63	62	62	62	62	63	62
B	66	66	65	65	64	64	64	64	64
C	65	65	65	65	65	65	65	65	65

**Slider 96 African Greywood WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	55	55	54	55	54	55	55	55	55
B	54	54	54	54	54	54	54	54	54
C	55	55	55	55	53	53	55	53	54

**Slider 55 African Greywood DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 21.6					AIR TEMP (°C) 22.6				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	82	82	82	84	84	85	85	85	85
B	86	87	87	87	87	87	88	88	87
C	89	89	90	90	90	90	90	90	90

**Slider 55 African Greywood WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	56	56	56	56	55	55	55	55	55
B	58	58	58	57	57	57	57	57	57
C	58	58	58	57	57	56	56	56	56



**Slider 96 Sun Bleach Oak DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 23.1					AIR TEMP (°C) 23.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	60	60	61	61	61	60	60	60	60
B	59	59	59	60	60	59	59	59	59
C	61	60	60	61	61	61	61	61	61

**Slider 96 Sun Bleach Oak WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	47	47	47	47	47	47	47	47	47
B	48	48	49	49	50	50	50	50	50
C	49	49	50	50	48	48	48	48	48

**Slider 55 Sun Bleach Oak DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 21.3					AIR TEMP (°C) 22.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	95	96	96	97	97	97	97	97	97
B	96	96	97	98	98	98	98	98	98
C	90	90	90	92	92	92	92	93	92

**Slider 55 Sun Bleach Oak WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	50	50	50	50	50	49	49	49	49
B	52	52	51	51	51	51	51	51	51
C	50	50	50	48	48	47	47	47	47

**Slider 96 Brazilian Walnut DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 23.1					AIR TEMP (°C) 23.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	58	58	59	59	59	57	57	57	58
B	60	60	61	61	59	60	59	60	60
C	57	57	56	56	56	57	57	57	57

**Slider 96 Brazilian Walnut WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	43	43	42	42	41	41	41	41	41
B	45	45	44	43	43	44	44	44	44
C	46	46	46	45	45	44	45	45	45

**Slider 55 Brazilian Walnut DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 21.5					AIR TEMP (°C) 22.2				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	101	101	101	101	101	102	102	102	102
B	99	99	102	103	103	103	103	103	103
C	96	96	96	97	97	97	98	98	97

**Slider 55 Brazilian Walnut WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	51	51	51	50	50	50	50	50	50
B	51	51	51	51	51	51	51	51	51
C	50	50	50	50	50	49	49	49	49



**Slider 96 White Poplar DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 23.1					AIR TEMP (°C) 23.0				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	63	63	63	63	63	63	63	63	63
B	62	62	61	61	61	61	61	61	61
C	60	60	61	61	61	60	61	61	61

**Slider 96 White Poplar WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Median Result
A	50	50	50	50	48	48	48	48	48
B	46	46	47	47	46	47	47	47	47
C	45	46	46	45	46	46	46	46	46

**Slider 55 White Poplar DRY DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

SURFACE TEMP (°C) 21.0					AIR TEMP (°C) 22.3				
Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	100	100	100	100	100	100	100	100	100
B	95	95	96	97	97	98	98	98	98
C	98	98	98	99	99	99	99	99	99

**Slider 55 White Poplar WET DIRECTIONS: CLASSIFICATION - LOW SLIP POTENTIAL**

Test Direction	Pendulum Swing 1	Pendulum Swing 2	Pendulum Swing 3	Pendulum Swing 4	Pendulum Swing 5	Pendulum Swing 6	Pendulum Swing 7	Pendulum Swing 8	Mean Result
A	60	60	60	59	58	58	58	58	58
B	62	62	61	61	60	60	60	60	60
C	63	63	62	62	62	62	61	61	62

Report Number: SP4806A1

Sample: Vitrified Composite Decking



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**SITE PHOTOGRAPHS**



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**END OF REPORT**



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