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## TEST REPORT

### Surface Roughness Testing (Laboratory) Performed on Samples of Vitrified Composite Decking

For:

**Ryno Group Ltd**

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- The results given in this report are representative of the sample received only.

| REVIEWED & APPROVED BY                  | SIGNATURE   | ISSUE DATE | REPORT NUMBER |
|---|---|------------|---------------|
| Russell Thompson<br>(Technical Manager) |  | 22/08/2025 | SP4806B       |

|                               |            |
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## 2.0 INTRODUCTION

Surface Performance Ltd carried out Surface Roughness Testing on Tuesday 19th August 2025 to samples provided for testing by Ryno Group Ltd, provided with the names Himalayan Birch, African Greenwood, Sun Bleached Oak, Brazilian Walnut & White Poplar.

The sample was supplied by the client and received at the laboratory 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).

## 3.0 TESTING METHOD

3.1 Testing was performed in accordance with The UK Slip Resistance Guidelines (UKSRG) 2016 using a Mitutoyo 178-561-02E Surftest SJ-210 Portable Surface Roughness Tester.

3.2 Testing was carried out at 10 x locations in 3 directions, in dry conditions.

3.3 Classification limits are taken from The UKSRG 2016.

## 4.0 REQUIREMENTS

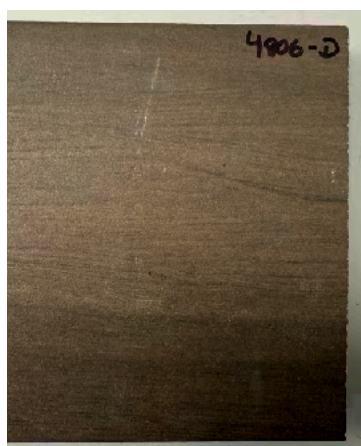
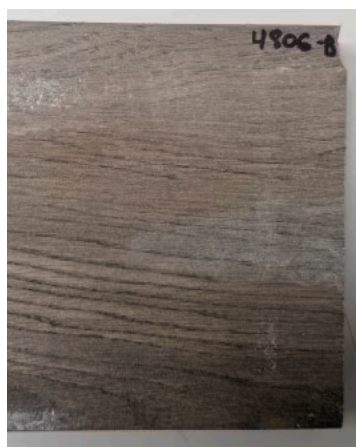
Classification limits are taken from The UKSRG 2016.

| CLASSIFICATION          | Rz Microroughness     |
|-------------------------|-----------------------|
| High Slip Potential     | < 10 $\mu\text{m}$    |
| Moderate Slip Potential | 10 - 20 $\mu\text{m}$ |
| Low Slip Potential      | > 20 $\mu\text{m}$    |

## 5.0 LOCATION PLANS

### 5.1 TEST LOCATION PROXIMITY PLAN

The diagram below identifies the test specimen



## 6.0 TEST RESULTS

### Sample 1 Himalayan Birch - **LOW SLIP POTENTIAL**

| Test Direction | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Mean Result |
|----------------|------|------|------|------|------|------|------|------|------|------|-------------|
| <b>A</b>       | 40.6 | 40.2 | 36.7 | 54.2 | 45.3 | 45.4 | 58.7 | 45.6 | 54.2 | 36.5 | <b>45.7</b> |
| <b>B</b>       | 42.1 | 51.6 | 56.0 | 50.8 | 44.8 | 36.7 | 43.9 | 46.2 | 41.4 | 37.6 | <b>45.1</b> |
| <b>C</b>       | 48.1 | 51.8 | 41.1 | 46.6 | 41.1 | 52.1 | 41.5 | 42.7 | 50.1 | 42.3 | <b>45.7</b> |

### Sample 2 African Greywood - **LOW SLIP POTENTIAL**

| Test Direction | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Mean Result |
|----------------|------|------|------|------|------|------|------|------|------|------|-------------|
| <b>A</b>       | 42.4 | 34.9 | 42.3 | 43.2 | 59.5 | 38.2 | 42.1 | 50.6 | 42.0 | 56.0 | <b>45.1</b> |
| <b>B</b>       | 33.6 | 42.5 | 54.1 | 50.2 | 52.1 | 35.3 | 43.5 | 63.5 | 34.4 | 49.0 | <b>45.8</b> |
| <b>C</b>       | 43.1 | 45.3 | 47.3 | 48.9 | 47.3 | 44.2 | 50.6 | 53.9 | 47.4 | 47.9 | <b>47.6</b> |

### Sample 3 Sun Bleach Oak - **LOW SLIP POTENTIAL**

| Test Direction | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Mean Result |
|----------------|------|------|------|------|------|------|------|------|------|------|-------------|
| <b>A</b>       | 52.3 | 44.7 | 49.8 | 37.6 | 46.5 | 42.6 | 32.7 | 34.2 | 42.1 | 39.5 | <b>42.2</b> |
| <b>B</b>       | 40.9 | 36.0 | 34.2 | 45.9 | 48.7 | 41.9 | 38.5 | 47.9 | 41.6 | 49.6 | <b>42.5</b> |
| <b>C</b>       | 48.4 | 40.9 | 41.3 | 45.7 | 53.7 | 53.2 | 33.9 | 49.4 | 36.9 | 41.0 | <b>44.4</b> |

### Sample 4 Brazilian Walnut - **LOW SLIP POTENTIAL**

| Test Direction | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Mean Result |
|----------------|------|------|------|------|------|------|------|------|------|------|-------------|
| <b>A</b>       | 34.9 | 37.9 | 33.4 | 41.2 | 33.2 | 41.6 | 36.9 | 35.6 | 43.5 | 39.7 | <b>37.8</b> |
| <b>B</b>       | 43.6 | 56.6 | 39.4 | 47.7 | 43.0 | 45.1 | 42.9 | 44.3 | 31.8 | 33.9 | <b>42.8</b> |
| <b>C</b>       | 41.9 | 38.9 | 36.0 | 29.9 | 25.8 | 38.2 | 41.8 | 30.3 | 33.2 | 46.9 | <b>36.3</b> |

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**Sample 5 White Poplar - LOW SLIP POTENTIAL**

| Test Direction | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | Mean Result |
|----------------|------|------|------|------|------|------|------|------|------|------|-------------|
| <b>A</b>       | 40.6 | 46.9 | 57.9 | 40.0 | 48.7 | 43.0 | 55.9 | 44.3 | 47.9 | 42.7 | <b>46.8</b> |
| <b>B</b>       | 41.8 | 56.7 | 53.9 | 45.3 | 48.2 | 51.3 | 52.8 | 39.6 | 43.1 | 44.3 | <b>47.7</b> |
| <b>C</b>       | 37.0 | 37.9 | 48.6 | 59.6 | 27.4 | 64.6 | 48.1 | 54.2 | 55.4 | 45.1 | <b>47.8</b> |





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## 7.0 TEST PHOTOGRAPHS



**FIFA**  
Accredited Test Institute  
for Football Turf



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## END OF TEST REPORT

