Slip Check to AS 4586:2013
3048 Marmoleum Graphite
Topshield 2

NATA Accreditation Number 17139

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

Accredited for compliance with ISO/IEC 17025

NATA is a signatory to the APLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports
14 July 2014

Test Report No. R6942a

Slip Resistance Classification of New Pedestrian Surface Materials
AS 4586:2013 Appendix A (Wet Pendulum Test)

The slip resistance Classification has been determined for unused surfaces using specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface.

Requested by: Forbo Flooring Systems
Client Address: 23 Ormsby Place
Wetherill Park NSW 2164
Product Manufacturer: Forbo Flooring Systems
Product Description: 3048 Marmoleum Graphite Topshield 2

Test conducted according to: AS 4586:2013 Appendix A
Location: Slip Check Pty Ltd Test Facilities, Blacktown NSW 2148
Conducted by: Ryan Voorderhake

Date: 10 July 2014
Sample: Unfixed
Rubber slider used: Slider 96
Slope of specimen: Tested on a flat level surface
Direction of Test: NA

<table>
<thead>
<tr>
<th>Specimen 1</th>
<th>Specimen 2</th>
<th>Specimen 3</th>
<th>Specimen 4</th>
<th>Specimen 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean BPN of last 3 swings:</td>
<td>38</td>
<td>31</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

Reported SRV of Sample: 32

Class: P2

Ryan Voorderhake
Laboratory/Field Technician
**Test Report No. R6942a**

**Slip Resistance Classification of New Pedestrian Surface Materials**  
AS 4586:2013 Appendix D (Oil-Wet Inclining Platform Test)

The slip resistance Classification has been determined for unused surfaces using specific conditions. Factors such as usage, cleaning systems, applied coatings and patterns of wear may affect the characteristics of the surface.

| Requested by: | Forbo Flooring Systems |
| Client Address: | 23 Ormsby Place  
Wetherill Park NSW 2164 |
| Product Manufacturer: | Forbo Flooring Systems |
| Product Description: | 3048 Marmoleum Graphite Topshield 2 |
| Surface Structure: | Smooth |
| Fixed/Unfixed: | Unfixed |
| Joint Width: | N/A |

Test conducted according to:  
AS 4586:2013 Appendix D

Method Variations:  
Tested with shoes outside the standard methods Shore A hardness requirement that has been verified through testing to produce correct results

Location:  
Slip Check Pty Ltd Test Facilities, Blacktown NSW 2148

Conducted by:  
Ryan Voorderhake & Stuart Lumsden

Test Shoe Type:  
Uvex Athletic

Date:  
10 July 2014

Cleaning:  
As Received

Air Temperature:  
17°C

Displacement Space:  
Not Measured

Displacement Space Assessment Group:  
NA

| Corrected Mean Overall Acceptance Angle: | 10.7° |
| Slip Resistance Assessment Group: | R10 |

Ryan Voorderhake  
Laboratory/Field Technician