

PENDULUM BS 7976-2 TEST REPORT.



MOB: 087 6915650

EMAIL: INFO@TOTALSLIPSOLUTIONS.IE

IN HOUSE TEST.

WWW.totalslipsolutions.ie

CLIENT: MR. NIALL KAVANAGH

ADDRESS: MCKEON STONE, BROCKLEY PARK, STRADBALLY, CO. LAOIS. IRELAND

CONTACT NO: 086 8308921

TEST DATE: 26/01/2018

TSPT PROJECT NO: 15875 / MS

SAMPLE TESTED: P36 LIMESTONE

SAMPLE SIZE: 600mm X 350mm X 20mm

TEMPERATURE: 18°

PHOTO: (NO)

PENDULUM SERIAL NO: 1520

CALLIBRATION DUE DATE: 12/07/2018

SLIDER RUBBER: 96 4s (Pedestrian)

BATCH NO: 1389 JULY 2017

PENDULUM TEST RESULTS:

DIRECTION:	CONDITION: (e.g.) AS FOUND	READINGS:	MEDIAN:
PRIMARY	DRY / WIPED	61/61/61/61/62/62/62/62	62
45 °	DRY / WIPED	61/61/61/61/61/61/61/61	61
90 °	DRY / WIPED	60/60/60/61/61/61/60/60	61
PRIMARY	WET / WATER ADDED	54/54/52/51/49/46/44/44	46
45 °	WET / WATER ADDED	54/52/49/46/45/44/44/44	44
90 °	WET / WATER ADDED	50/48/48/45/44/44/44/44	44

PTV SLIP POTENTIAL

MEAN AVERAGE OF 15 DRY VALUES:	61	LOW
MEAN AVERAGE OF 15 WET VALUES:	45	LOW

SLIP POTENTIAL RESULTS AS PER HEALTH & SAFETY AUTHORITY GUIDELINES AND THE LATEST UKSRG GUIDELINES.

RZ MICROROUGHNESS VALUE (µm) RESULTS:

M/A

11.1	10.8	11.7	9.4	12.9	12.5	11.8	13.4	11.4	14.5	12
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Tests Conducted by Richard McNamara; adhering to the UKSRG & HSA Guidelines.

REMARKS: -----

CONDITION OF ISSUE:

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MR. RICHARD MCNAMARA.

TOTAL SLIP SOLUTIONS
MONTEZUMA, BALLINCLAY,
KILLURIN, ENNISCORTHY,
CO. WEXFORD. IRELAND
REG. BUSINESS NO. 518124B

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ADDRESS: MCKEON STONE, BROCKLEY PARK, STRADBALLY, CO. LAOIS. IRELAND

CONTACT NO: 086 8308921

TEST DATE: 26/01/2018

TSPT PROJECT NO: 15876 / MS

SAMPLE TESTED: P36 HELICOPTER LIMESTONE

SAMPLE SIZE: 600mm X 350mm X 20mm

TEMPERATURE: 18°

PHOTO: (NO)

PENDULUM SERIAL NO: 1520

CALLIBRATION DUE DATE: 12/07/2018

SLIDER RUBBER: 96 4s (Pedestrian)

BATCH NO: 1389 JULY 2017

PENDULUM TEST RESULTS:

DIRECTION:	CONDITION: (e.g.) AS FOUND	READINGS:	MEDIAN:
PRIMARY	DRY / WIPED	59/60/60/60/60/60/60/60	60
45 °	DRY / WIPED	56/58/58/58/59/58/58/58	58
90 °	DRY / WIPED	61/61/61/61/61/62/62/62	62
PRIMARY	WET / WATER ADDED	48/48/44/44/42/40/36/36	40
45 °	WET / WATER ADDED	44/42/40/38/38/37/37/37	37
90 °	WET / WATER ADDED	44/42/40/39/38/37/37/37	37

PTV SLIP POTENTIAL

MEAN AVERAGE OF 15 DRY VALUES:	60	LOW
MEAN AVERAGE OF 15 WET VALUES:	38	LOW

SLIP POTENTIAL RESULTS AS PER HEALTH & SAFETY AUTHORITY GUIDELINES AND THE LATEST UKSRG GUIDELINES.

RZ MICROROUGHNESS VALUE (µm) RESULTS:

M/A

8.9	9.5	9.7	9.7	8.5	9.6	8.6	9.3	12.4	10.7	9.7
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CONTACT NO: 086 8308921

TEST DATE: 26/01/2018

TSPT PROJECT NO: 15877 / MS

SAMPLE TESTED: P24 LIMESTONE

SAMPLE SIZE: 600mm X 350mm X 20mm

TEMPERATURE: 18°

PHOTO: (NO)

PENDULUM SERIAL NO: 1520

CALLIBRATION DUE DATE: 12/07/2018

SLIDER RUBBER: 96 4s (Pedestrian)

BATCH NO: 1389 JULY 2017

PENDULUM TEST RESULTS:

DIRECTION:	CONDITION: (e.g.) AS FOUND	READINGS:	MEDIAN:
PRIMARY	DRY / WIPED	62/61/61/60/60/60/59/59	60
45 °	DRY / WIPED	62/61/61/61/60/60/60/60	60
90 °	DRY / WIPED	60/59/59/59/59/59/59/59	59
PRIMARY	WET / WATER ADDED	50/46/46/45/44/44/44/44	44
45 °	WET / WATER ADDED	52/48/46/45/44/44/44/44	44
90 °	WET / WATER ADDED	48/46/45/43/42/42/41/41	42

PTV SLIP POTENTIAL

MEAN AVERAGE OF 15 DRY VALUES:	60	LOW
MEAN AVERAGE OF 15 WET VALUES:	43	LOW

SLIP POTENTIAL RESULTS AS PER HEALTH & SAFETY AUTHORITY GUIDELINES AND THE LATEST UKSRG GUIDELINES.

RZ MICROROUGHNESS VALUE (µm) RESULTS:

M/A

10.1	17.1	20.0	15.8	14.8	13.7	14.1	18.4	11.8	13.9	15
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Tests Conducted by Richard McNamara; adhering to the UKSRG & HSA Guidelines.

REMARKS: -----

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CONTACT NO: 086 8308921

TEST DATE: 26/01/2018

TSPT PROJECT NO: 15878 / MS

SAMPLE TESTED: P16 LIMESTONE

SAMPLE SIZE: 600mm X 350mm X 20mm

TEMPERATURE: 18°

PHOTO: (NO)

PENDULUM SERIAL NO: 1520

CALLIBRATION DUE DATE: 12/07/2018

SLIDER RUBBER: 96 4s (Pedestrian)

BATCH NO: 1389 JULY 2017

PENDULUM TEST RESULTS:

DIRECTION:	CONDITION: (e.g.) AS FOUND	READINGS:	MEDIAN:
PRIMARY	DRY / WIPED	65/64/65/63/63/63/63/62	63
45 °	DRY / WIPED	64/64/63/63/62/62/62/62	62
90 °	DRY / WIPED	64/64/63/62/62/62/61/61	62
PRIMARY	WET / WATER ADDED	54/52/50/49/48/47/46/47	47
45 °	WET / WATER ADDED	56/55/54/52/51/51/51/50	51
90 °	WET / WATER ADDED	56/54/52/51/50/50/50/50	50

PTV SLIP POTENTIAL

MEAN AVERAGE OF 15 DRY VALUES:	62	LOW
MEAN AVERAGE OF 15 WET VALUES:	49	LOW

SLIP POTENTIAL RESULTS AS PER HEALTH & SAFETY AUTHORITY GUIDELINES AND THE LATEST UKSRG GUIDELINES.

RZ MICROROUGHNESS VALUE (µm) RESULTS:

M/A

20.1	20.1	19.0	20.2	24.5	20.1	24.7	20.7	21.5	21.3	21.2
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Tests Conducted by Richard McNamara; adhering to the UKSRG & HSA Guidelines.

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Overview of Testing Conducted:

As instructed by our client, we have conducted Independent Pendulum Testing in accordance with BS 7976-2/UKSRG guidelines, at the location stated above. Tests were conducted using in date BSI calibrated equipment and methods recognized by the UKSRG and H&SA as accurate, consistent and which provide repeatable values. The United Kingdom Slip Resistance Group provide general guidance on the significance of slip resistance values in relation to users perception of the slippiness of a floor, the guidelines below are recognized by the Health and Safety Authority.

The PTV value Potential for slip is as follows:

- 0 – 24 **HIGH RISK**
- 25 – 35 **MEDIUM RISK**
- 36 + **LOW RISK**

Pendulum Test Value	Probability of Slip	
PTV of 36	1 in 1,000,000	
PTV of 34	1 in 100,000	LOW RISK
PTV of 29	1 in 10,000	
PTV of 27	1 in 200	
PTV of 24	1 in 20	MEDIUM RISK
PTV of <24	Less than 1 in 20	HIGH RISK

As Researched by Pye and Harrison.

SLIP POTENTIAL CLASSIFICATION, BASED ON Rz MICROROUGHNESS VALUE. (APPLICABLE FOR WATER-WET PEDESTRIAN AREAS)

Rz SURFACE ROUGHNESS	SLIP POTENTIAL
BELOW 10 µm	HIGH
10 - 20 µm	MODERATE
20 + µm	LOW