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Test Report: TRRL 'Pendulum' Slip Resistance Measurements to a Supplied Section of Magma Charcoal in Accordance with BS EN 13036-4: 2003.

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Introduction.

Magma Safety Products Ltd supplied a sample of Magma Strip charcoal, (75mm x 9mm) for TRRL Slip Resistance Testing & was given our sample reference COA/113559.

The sample under scrutiny was initially tested in dry conditions using a (pedestrian) 4S Rubber Slider (IRHD 94-98) to determine its 'normal' Pendulum Test Value, (PTV). The sample was then retested after wetting with clean water in order to determine the PTV during simulated wet conditions.

Measurements were taken in batches of 5 & in 2 directions, (the first direction was parallel to the longest edge, the second batch of 5 being at 180° to the first).

As a guide, the table below (taken from UK Slip Resistance Group Guidelines, Issue 2 - June 2000) indicates the "potential for slipping" resulting from values obtained by this test method and may be used to interpret the results recorded in this report:

Pendulum Test Value, (PTV).	Potential for Slipping.
0 – 25	High
26 – 35	Moderate
36 – 65	Low
66+	Extremely Low

The sample was conditioning for 24 hours at 23°C ±2 / 50% ±5 RH before performing the testing in similar conditions. The results are presented in tabular format & were as follows:

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BS EN 13036-4: 2003
Determination of (TRRL) Pendulum Test Value, (PTV).

Equipment No: COA/052.
Slider Detail: Wide, 76mm.
Slide Length: 127mm, (± 1).
Slider Rubber Type/Ref: 4S.
Our reference: Slider 'K'.

Sample ID.	Dry/Wet	Individual Measurements.	PTV
Magma Strip charcoal:	Dry.	57, 56, 57, 56, 56	**56.4**
Magma Strip charcoal, at 180° direction to first test.	Dry.	55, 55, 55, 56, 55	**55.2**
Magma Strip charcoal:	Wet.	48, 48, 49, 49, 49.	**48.6**
Magma Strip charcoal, at 180° direction to first test.	Wet.	51, 51, 51, 51, 51.	**51.0**

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