

Report No: COA/02908

Issue Date: 14th December 2009

Test Report:
TRRL 'Pendulum' Slip
Resistance Measurements
to Supplied Magma
Coated Boards in
Accordance with BS EN
13036-4: 2003.

Authorised by:



Malcolm Astle
Team Leader, Coatings.

Prepared by:

Malcolm Astle
Scientifics Ltd
500 London Road
Derby
DE24 8BQ

Prepared for:

Adrian Moss
Magma Safety Products
Unit 1 Sawston Park
London Road
Pampisford
Cambridge
CB22 3EE

Copyright 2009 Scientifics Ltd.

This document was supplied to Magma Safety Products Ltd under the terms of a contract. The information contained in it is confidential and shall not be divulged without the permission of Magma Safety Products Ltd. The document or the information in it shall not be used for any purpose outside the terms of the contract without the express permission of Scientifics Ltd and shall not be reproduced except in full, without approval of Scientifics Ltd.

Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Issued by Scientifics Limited, 500 London Road, Derby DE24 8BQ.

Introduction.

Magma Safety Products Ltd supplied two samples of pre-coated boarding identified as Magma FT & Magma HFT for TRRL Slip Resistance Testing.

Each sample under scrutiny was initially tested in dry conditions using a (pedestrian) 4S Rubber Slider (IRHD 94-98) to determine their ‘normal’ Pendulum Test Value, (PTV). Each 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 per sample, (the second batch of 5 being at 90° 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

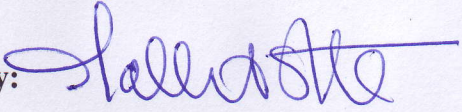
The samples were conditioning for 72 hours at 23°C ±2 / 50% ±5 RH before performing the testing in similar conditions. The results are presented in tabular format & were as follows:

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 'J'.			
Sample ID.	Dry/Wet	Individual Measurements.	PTV
Magma FT:	Dry.	66, 66, 67, 68, 68	67.0
Magma FT, at 90° direction to results above.	Dry.	70, 72, 66, 65, 65	67.6
Magma HFT:	Dry.	68, 68, 70, 68, 69.	68.6
Magma HFT, at 90° direction to results above.	Dry.	65, 71, 69, 67, 68.	68.0

Equipment No: COA/052. Slider Detail: Wide, 76mm. Slide Length: 127mm, (± 1). Slider Rubber Type/Ref: 4S. Our reference: Slider 'J'.			
Sample ID.	Dry/Wet	Individual Measurements.	PTV
Magma FT:	Wet	71, 72, 66, 67, 67	68.6
Magma FT, at 90° direction to results above.	Wet	70, 71, 68, 66, 66	68.2
Magma HFT:	Wet	66, 68, 72, 69, 69.	68.8
Magma HFT, at 90° direction to results above.	Wet	65, 70, 70, 67, 68.	68.0

Tested by: 

Malcolm Astle,
Team Leader, Coatings.