

Customer: Dr-Shutz Gmbh  
Holbeinstrasse 17  
5315 Bonn  
Germany

Attention of: Richard Nelson

# Technical Report

Subject: Pendulum slip assessment in accordance with UK Slip Resistance Group Guidelines  
Your ref: PU-Sealer Antislip  
Our ref: FLO 0166226/0831/MC/SLM/SPF  
Date: 8<sup>th</sup> August 2008

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Report signed by: S P Ferry  
Floorcoverings Team Leader  
Floorcoverings Evaluation Centre  
On behalf of SATRA Technology Centre Ltd

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## SLIP RESISTANCE TESTING OF A ANTISLIP COATING ON A PVC FLOORING ACCORDING TO THE UK SLIP RESISTANCE GROUP GUIDELINES

As requested by Dr-Shutz GmbH, we have conducted an assessment of the slip resistance of the clear anti slip coating on a PVC floor covering submitted, as detailed below.

### SUMMARY

The sample referenced “PU-Sealer Antislip (applied to a homogeneous PVC floor covering)” has demonstrated a low potential for slipping under both dry and wet test conditions, when assessed according to UK Slip Resistance Group guidelines – Issue 3 – November 2005

### SAMPLE SUBMITTED

Reference: PU-Sealer Antislip  
Description: A clear anti slip coating incorporating particulate applied onto a homogeneous polyvinyl chloride flooring (EN 649) incorporating PVC chips  
Appearance:



Intended application: Contract / Commercial use  
Date received: 5<sup>th</sup> August 2008  
Conditioning commenced: 5<sup>th</sup> August 2008  
Testing commenced: 6<sup>th</sup> August 2008  
Testing completed: 6<sup>th</sup> August 2008  
Testing conducted by: Michael Cawley

## TESTS CARRIED OUT

- BS 7976-2: 2002 Pendulum Testers, method of operation <sup>(1)</sup>

Note:

- (1) Testing has been conducted and the results have been assessed in accordance with the UK Slip Resistance Group Guidelines –Issue 3: 2005

## RESULTS

**Table 1. BS 7976-2: 2002 Pendulum Testers, method of operation (Using Slider 96)**

Sample	Condition	Average PTV/Direction of Test			Overall average slip measurement (PTV's)
		A	B	C	
PU-Sealer Antislip	Dry	66	65	65	65
	Wet (water)	56	50	55	54

### Direction of Test



## COMMENTS

The method of test is intended to assess the potential of slipping for people walking on a flooring material. A pendulum attached to a spring loaded foot fitted with a standard rubber slider referenced Slider 96 (formally known as Four S Rubber) is allowed to swing so the slider contacts a dry or wet test floor covering over a set distance. The extent to which the pendulum fails to reach its release height on the overswing is determined as a measurement of the slip resistance. The procedure is carried out in three directions, in one principle direction, at 90° to this and at 45° to the principle direction.

The following table contains guidelines recommended by the UK Slip resistance group – Issue 3 2005.

Slip potential	PTV
High slip potential	0-24
Moderate slip potential	25-35
Low slip potential	36+

The sample submitted demonstrated a low potential for slipping incidents when tested under both dry surface conditions and when contaminated with potable water.

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