

Firm: Skidproof International Ltd
26 Ashbury Drive
St Helens
Merseyside
WA11 0FA

Attention of: Tim Blackmore

Technical Services Report

Subject: DIN 51130 Slip assessment of a vinyl floor covering.
Firm: Skidproof International Ltd.
For the attention of: Tim Blackmore
Your ref: SkidProof
Our ref: FLO 0159526/1-0801
Date: 15th February 2008

Conditions of Issue:

This report may be forwarded to other parties concerned provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

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Report signed by: On behalf of 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 COATED CUSHION VINYL FLOORCOVERING ACCORDING TO DIN 51130

As requested by skidproof International Limited, we have assessed the slip potential of the coated cushion vinyl floor covering submitted using the ramp method, as detailed below.

SAMPLE SUBMITTED

Reference:	SkidProof
Batch no:	Not Supplied
Description:	Coated cushion vinyl floor covering
Coating:	Not Supplied
Colour:	Clear
Coating Manufacturer:	Not Supplied
Sampling Plan:	Selected at random from those supplied by the client
Sample condition:	New
Date received:	28 th January 2008
Date Conditioned:	28 th January 2008
Test date:	29 th January 2008
Testing conducted by:	Michael Cawley, Dave Smith

TESTS CARRIED OUT

- DIN 51130:1992-Testing of Floorcoverings-Determination of Slip resistance work rooms and areas of work with an increased risk of slipping-Walking method- Ramp test.

RESULTS

No.	Operator 1 Inclined Platform Shod (°)	Operator 2 Inclined platform shod (°)
1	35.6	36.1
2	35.6	36.1
3	35.6	36.1
Mean	35.9	
Rating	R13	

COMMENTS

This test measures slip through the use of a human subject, who walks backwards and forwards over contaminated flooring at ever increasing angles of inclination. The resulting angle at which slip occurs classifies the flooring via a rating using a designation such as R9 up to R 14

The test surface is coated with specific viscosity grade oil and is tilted from the horizontal at a rate of one degree per second. Two people perform the test separately with the subject wearing safety footwear and each determine the angle three times; the overall average of the six results is used to categorise the surface with the R rating as detailed below.

R rating category

R Value	Category Static Friction is:	Angle of Inclination
R9	Low	6° to 10°
R10	Normal	>10° to 19°
R11	Above Average	>19° to 27°
R12	High	>27° to 35°
R13	Very High	>35°

Note to end use applications:

- R9 Floors in work rooms and work areas without a high risk of slipping. General and private areas.
- R10 to R13 Floors in workrooms and work areas where there is an increased risk of slipping due to grease, oil, water, foods, left-overs, dust, flour, plant clippings, etc.

The sample submitted achieved an R13 rating with an average slipping angle of 35.9°.

CONCLUSION

With regards to the requirements laid out in DIN 51130 the floor sample submitted under reference 'SkidProof' is suitable for work areas where there is an increased risk of slipping due to grease, oil, water, foods, left-overs, dust, flour, plant clippings, etc.

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

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Work done or services undertaken are subject to the terms and conditions detailed below and all other conditions, warranties and representations, expressed or implied are hereby excluded.
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The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.

Firm: Skidproof International Ltd
CQ: FLO 0159526/1-0801
Date: 15th February 2008

Signed:

