

Firm: Interlocking Solutions Ltd
Old Brickworks,
Suit S1
Bates Industrial Estate
Church Road
Harold Wood
Romford
RM3 0HU
Attention of: Mr Walker

Technical Services Report

Subject: Pendulum slip assessment in accordance with UK Slip Resistance Group Guidelines
Firm: Interlocking Solutions Ltd
For the attention of: Mr Walker
Your ref: Sports Tile
Our ref: FLO 0163922/2-0820
Date: 28th May 2008

Conditions of Issue:

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Report signed by: S L Morris
Floorcoverings Technologist
Floorcoverings Evaluation Centre
On behalf of SATRA Technology Centre Ltd

SLIP RESISTANCE TESTING OF A INTERLOCKING FLOOR TILE ACCORDING TO THE UK SLIP RESISTANCE GROUP GUIDELINES

As requested by Interlocking Solutions Ltd, we have conducted an assessment of the slip resistance of the interlocking sports floor tile submitted, as detailed below.

SAMPLE SUBMITTED

Product name: Not provided
 Description: Interlocking sports floor tile for gyms and clubs (EVA Foam)
 Size: 1 metre by 1 metre
 Thickness: 25mm
 Colour: Black / Red

Date received: 13th May 2008
 Conditioning commenced: 13th May 2008
 Testing commenced: 22nd May 2008
 Testing completed: 22nd May 2008
 Testing conducted by: Dave Smith

TESTS CARRIED OUT

- BS 7976-2: 2002 Pendulum Testers, method of operation ⁽¹⁾

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 55)

Sample	Condition	Direction of Test			Overall average slip measurement (PTV's)
		A	B	C	
Interlocking sports floor tile	Dry	70	73	76	73
	Wet (water)	48	45	47	47

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 55 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.

Table 3. UK Slip resistance group guidelines.

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

The Interlocking sports floor tile demonstrated a low potential for slipping incidents when tested under dry surface conditions. When assessed under water wet surface conditions the sample has also demonstrated a low potential for slipping incidents.

CONCLUSIONS

The sample referenced “Black / Red interlocking sports floor tile” has demonstrated a low potential for slipping under both wet and dry test conditions, when tested using the Slider 55 rubber and assessed according to UK Slip Resistance Group guidelines.

Report signed by: S L Morris
Floorcoverings Technologist
Floorcoverings Evaluation Centre
On behalf of SATRA Technology Centre Ltd

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Firm: Interlocking Solutions Ltd
CQ: FLO 0163922/2-0820
Date: 28th May 2008

Signed:

(Page 4 of 4)

