

Customer details: Kemica s.r.l.
Via F.lli Rusjan 76

SATRA reference: FLO0245312 /1617

34070 Savogna di Isonzo (Gorizia)
Italy

Your reference: FOB-2016/04/727

Date of report: 11 May 2016

Samples received: 28 April 2016

Date(s) work carried out: 28 April 2016 –
5 May 2016

TECHNOLOGY TECHNICAL REPORT

Subject: Testing of one sample described by the customer as Spider Walker Floorgraphics to DIN 51130:2014 excluding paragraph 6 measurement of displacement space.

Conditions of Issue:

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 It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

Tests marked \boxtimes fall outside the UKAS Accreditation Schedule for SATRA. All interpretations of results of such tests and the comments based upon them are outside the scope of UKAS accreditation and are based on current SATRA knowledge.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Please note uncertainty of measurement has not been applied to the results in this report. SATRA uncertainty of measurement values are available on request.

Report signed by: Philip Weal
Position: Senior Technician
Department: Furniture and Floor Coverings



TESTING OF ONE SAMPLE DESCRIBED BY THE CUSTOMER AS SPIDER WALKER FLOORGRAPHICSTO DIN 51130:2014 EXCLUDING PARAGRAPH 6 MEASUREMENT OF DISPLACEMENT SPACE.

(1)

As requested by KEMICA S.R.L. , an assessment has been conducted to determine the slip potential of the sample submitted referenced SPIDER WALKER FLOORGRAPHICS using the ramp method, as detailed below.

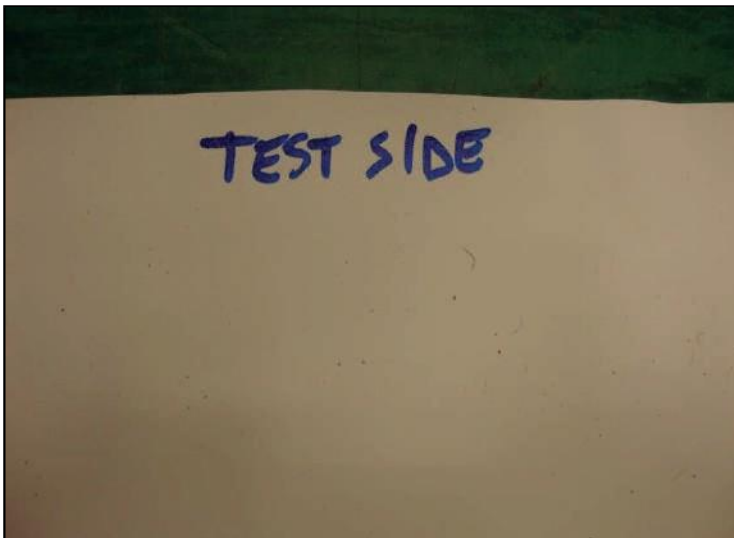
SUMMARY

With regards to the requirements laid out in DIN 51130:2014, the floor sample submitted under the reference SPIDER WALKER FLOORGRAPHICS has demonstrated an average angle of **17.5°**, hence being classified as **R9**.

SAMPLE SUBMITTED

Sample reference: SPIDER WALKER FLOORGRAPHICS

Appearance:



Date received:	28 April 2016
Date into conditioning:	28 April 2016
Testing completed:	5 May 2016
Testing conducted by:	Philip Weal & Tom Notley

TESTS CARRIED OUT

- ☒ DIN 51130:2014 Testing of floor coverings - Determination of the anti-slip property - Workrooms and fields of activities with slip danger - Walking method - Ramp test

Note:

- (1) *Displacement space –Is not relevant to this test reference. Only required with floor covering having an open structure such like “gratings” with large open surface gaps.*
- (2) *The information supplied by the above Customer. Not verified by SATRA.*
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RESULTS:

Test No.	Operator A Inclined Platform Shod Corrected angle result (°)	Operator B Inclined Platform Shod Corrected angle result (°)
1	17.5	17.8
2	17.6	17.2
3	17.7	17.3
Corrected Operator Mean	17.6	17.4
Corrected Total Mean	17.5	
Rating	R9	

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, including 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.



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Annex 1.0

Operator Verification results for DIN 51130:2014

Operator A

Verification Board	Operator A Verification					
	Test Run			Average	Difference	Proceed?
	1	2	3			
ST - I (8.7 ± 3.0)	11.1	11.4	11.3	11.3	2.6	Y
ST - II (17.3 ± 3.0)	20.1	20.0	20.2	20.1	2.8	Y
ST - III A (27.3 ± 3.0)	29.6	29.6	29.8	29.7	2.4	Y

Operator B

Verification Board	Operator B Verification					
	Test Run			Average	Difference	Proceed?
	1	2	3			
ST - I (8.7 ± 3.0)	11.6	10.9	11.1	11.2	2.5	Y
ST - II (17.3 ± 3.0)	20.3	20.1	20.1	20.2	2.9	Y
ST - III A (27.3 ± 3.0)	29.7	30.1	29.8	29.9	2.6	Y

TERMS AND CONDITIONS OF BUSINESS

1. **GENERAL**
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.
2. **PRICES**
Prices are based on current material and production costs, exchange rates, duty and freight and are subject to change without notice.
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Delivery estimates are made in good faith and date from receipt of a written order and full information to enable us to proceed. While SATRA or its subsidiaries (hereafter referred to as "SATRA") make every effort to fulfil them, such estimates are subject to unforeseen events and if not maintained, cannot give rise to any claim. Offers "ex stock" are subject to prior sale.
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Cancellation of orders for goods, services, training or consultancy is only acceptable by prior agreement of SATRA and a charge will normally be made.
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Claims for errors, shortages etc should be notified within 10 days of date of receipt. In the event of goods damaged in transit, packing materials should be retained for examination; otherwise no liability can be accepted.
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 - i. The above shall not be disclosed to third parties or used in litigation without the consent of SATRA.
 - ii. Where SATRA has given consent to disclosure, the Customer shall draw the attention of the third party to these terms of business and the basis on which SATRA undertakes test, reporting and advising. The Customer shall indemnify SATRA for any failure to do so.
 - iii. The above items are submitted to the Customer as confidential documents. Confidentiality shall continue to apply after completion of the business, but shall cease to apply to information or knowledge which may come into the public domain.
13. **CONSTRUCTION AND ARBITRATION**
The laws of England shall govern all contracts and the parties submit to exclusive jurisdiction of the courts of England, unless otherwise agreed.

Issue Date: 1st October 2009

SATRA Reference: FLO0245312/1617

Date: 11 May 2016

Signed:

A handwritten signature in black ink, appearing to read "P. WEAL".

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