

Customer details: Portwest Ltd
Portwest House
Westport Business & Technology Park
Westport
County Mayo
Eire

SATRA reference: FLO0257048 /1718

Your reference:

Date of report: 16 May 2017

Samples received: 3 May 2017

For the attention of: Aoife Phelan

Date(s) work carried out: 3 May 2017 –
16 May 2017

TECHNICAL REPORT

Subject: Testing of one product described by the customer as "MT52" 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 It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.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 \neq 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 PRODUCT DESCRIBED BY THE CUSTOMER AS "MT52" TO DIN 51130:2014 EXCLUDING PARAGRAPH 6 MEASUREMENT OF DISPLACEMENT SPACE⁽¹⁾.

As requested by Portwest Ltd, an assessment has been conducted to determine the slip potential of the sample submitted referenced "MT52" submitted using the ramp method, as detailed below.

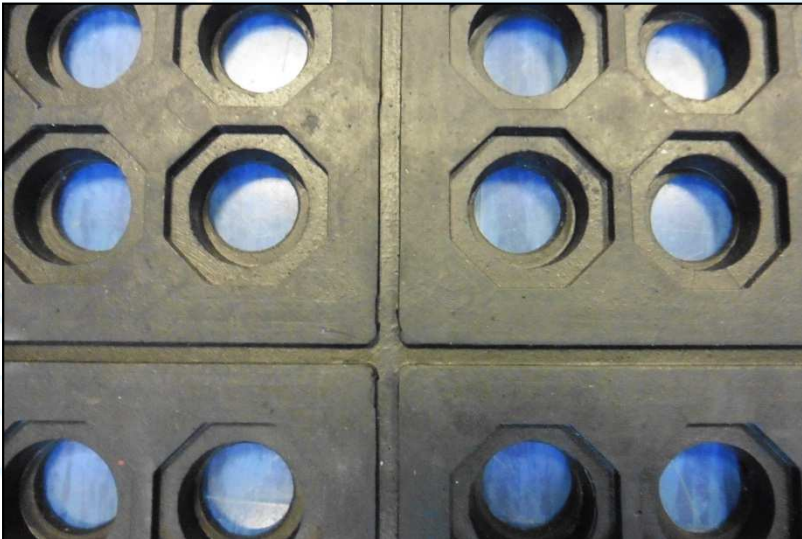
SUMMARY

With regards to the requirements laid out in DIN 51130:2014, the floor sample submitted under the reference "MT52" has demonstrated an average angle of 13.1°, hence being classified as **R10**.

SAMPLE SUBMITTED

Sample reference: "MT52"⁽²⁾

Appearance:



Date received: 3 May 2017
Date into conditioning: 4 May 2017
Testing completed: 16 May 2017
Testing conducted by: Philip Weal & Alex Clarke

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 –SATRA unable to test against this paragraph. Required only by agreement 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.

RESULTS:

Test No.	Operator A Inclined Platform Shod Corrected angle result (°)	Operator B Inclined platform shod Corrected angle result (°)
1	13.2	13.1
2	12.7	13.4
3	12.7	13.1
Corrected operator Mean	12.9	13.2
Corrected Total Mean	13.1	
Rating	R10	

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.

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)	10.4	9.2	9.8	9.8	1.1	Y
ST - II (17.3 ± 3.0)	20.2	20.2	19.6	20.0	2.7	Y
ST - III A (27.3 ± 3.0)	29.4	28.9	28.6	29.0	1.7	Y

Operator B

Verification Board	Operator B Verification					
	Test Run			Average	Difference	Proceed?
	1	2	3			
ST - I (8.7 ± 3.0)	8.7	8.8	8.1	8.5	0.2	Y
ST - II (17.3 ± 3.0)	19.7	19.1	19.4	19.4	2.1	Y
ST - III A (27.3 ± 3.0)	27.0	27.7	27.8	27.5	0.2	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.
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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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Unless otherwise agreed in advance, test samples will be disposed of 6 weeks after the date of the final report. If required, samples can be returned at the Customer's expense.
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 - 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