

Firm: Amtico International
Factory No's 1 & 2
Kingsfield Road
Coventry
Warwickshire
CV6 5PL

Attention of: Mr C Harwood

Technical Services Report

Subject: Measurement of dynamic coefficient of friction on dry floor surfaces – EN 13893
Firm: Amtico International
For the attention of: Mr C Harwood
Your ref: Order 10227307
Our ref: FLO 0146271-3r-0651
Date: 3rd January 2007

Conditions of Issue:

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

BS EN 13893:2002 MEASUREMENT OF DYNAMIC COEFFICIENT OF FRICTION ON DRY FLOOR SURFACES

As requested we have assessed the samples of vinyl tiles submitted in relation to dry slip resistance, as detailed below.

SAMPLE SUBMITTED

Reference: Amtico – Spacia
Batch: TA1361-DO7
Thickness: 2.5 mm
Intended application: Contract / Commercial
Installation method: Not stipulated
Date received: 30th November 2006
Conditioning commenced: 30th November 2006
Testing commenced: 14th December 2006
Testing completed: 14th December 2006
Testing conducted by: Sarah Morris

TESTS CARRIED OUT

- BS EN 13893:2002 – Resilient, Laminate and textile floor coverings – Measurement of dynamic coefficient of friction on dry floor surfaces ⁽¹⁾

Note(s):

(1) *The results have been assessed according to the requirements of BS EN 14041: 2004 resilient, textile and laminate floor coverings – Essential characteristics. 4.5 Slip resistance Classification.*

RESULTS

Characteristics	Test method	EN 14041: 2004 Requirements	Sample reference	Direction	Average Results ⁽²⁾
Slip resistance	BS EN 13893:2002	Dynamic Coefficient of friction of ≥ 0.30	Amtico – Spacia (TA1361-DO7)	Along	0.52
				Across	0.51

See appendix I for the raw data.

COMMENTS

The test is conducted to assess the dynamic coefficient of friction of the surface of a textile floor covering, which is usually walked on with shoes. The measurements are made in the laboratory on dry floor covering surfaces only.

During the test a slider made from two leather sliders and one shoe rubber slider is loaded to impose a specified force on to the floor covering. The loaded slider is pulled parallel to the surface of the floor covering at a constant speed, with five samples being tested in the along and across direction of manufacture.

BS EN 14041: 2004 stipulates a minimum safety requirement for floor coverings where a claim of slip resistance is made. The floor covering intended to be used in dry and non-contaminated conditions shall have a dynamic Coefficient of friction of ≥ 0.30 when tested according BS EN 13893: 2002

Note: However, it should be noted that this does not ensure safety of floor coverings with regard to this property. Slip is effected by a number of other parameters including installation, environment, maintenance, contaminants, footwear and user behaviour which should be assessed prior to final installation. Some floors will be subjected to wet cleaning processes and spillages in normal everyday use and the manufacturer should not make guarantees under these conditions.

CONCLUSION

In relation to the property assessed (Dynamic coefficient of friction under dry conditions) the vinyl floor tiles submitted, referenced 'Amtico – Spacia, Batch TA1361-DO7, has satisfied the minimum requirements set out in BS EN 14041: 2004.

The following additional labelling is therefore permissible under the technical details and should be incorporated within the CE Label.



Technical Class DS

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

Appendix I – Individual test results (excluding 1st 2 results)

Sample	Direction	1	2	3	4	5	Average
Amtico – Spacia	Along	0.52	0.55	0.53	0.50	0.50	0.52
	Across	0.52	0.53	0.51	0.50	0.49	0.51



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