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SATRA Ref: FLO0191878/1106/

Report Date: 24 March 2011

Samples received: 14 February 2011

Contact: Michael Ollivere

TECHNICAL SERVICES REPORT

Subject: Testing of 5 Surface texture designs referenced, 'Smooth Texture'. 'Raised Disk - Low Profile', 'Raised Disk - High Profile', 'Durbar' and 'Slate' to EN 13893.

Your reference:

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 It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.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.

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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.

Report signed by: Jonathan Lund
Position: Flooring Technologist
Department: Flooring

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TESTING OF 5 SURFACE TEXTURE DESIGNS REFERENCED, 'SMOOTH TEXTURE', 'RAISED DISK - LOW PROFILE', 'RAISED DISK - HIGH PROFILE', 'DURBAR' AND 'SLATE'.

As requested by Ecotile LLP, an assessment has been conducted on the samples referenced 'Smooth Texture', 'Raised Disk - Low Profile', 'Raised Disk - High Profile', 'Durbar' and 'Slate' submitted in relation to dry slip resistance with assessment against the requirements stipulated for resilient floor coverings described in BS EN 14041: 2004, as detailed below.

SUMMARY

In relation to the property assessed (Dynamic coefficient of friction under dry conditions) the PVC floor coverings submitted under the references 'Smooth Texture', 'Raised Disk - Low Profile', 'Raised Disk - High Profile', 'Durbar' and 'Slate' have 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 (pictogram optional).



Technical Class DS

SAMPLE SUBMITTED

Sample references:	'Smooth Texture', 'Raised Disk - Low Profile', 'Raised Disk - High Profile', 'Durbar' and 'Slate'
Description:	Homogeneous Interlocking PVC Tile
Appearances:	See annex 1.0
Colour:	Various
Intended application:	Contract / Commercial use
Date received:	14 th February 2011
Date conditioned:	14 th February 2011
Testing commenced:	21 st March 2011
Testing completed:	21 st March 2011
Testing conducted by:	Phil Weal, Mandy De Wet

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

Ecotile LLP
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Signed:



RESULTS

Sample Reference	Characteristic	EN 14041: 2004 Requirements	Direction	Average Results
Smooth Texture	Slip Resistance	Dynamic Coefficient of friction of ≥ 0.30	Along	0.69
			Across	0.67

Sample Reference	Characteristic	EN 14041: 2004 Requirements	Direction	Average Results
Raised Disk – Low Profile	Slip Resistance	Dynamic Coefficient of friction of ≥ 0.30	Along	0.66
			Across	0.56

Sample Reference	Characteristic	EN 14041: 2004 Requirements	Direction	Average Results
Raised Disk – High Profile	Slip Resistance	Dynamic Coefficient of friction of ≥ 0.30	Along	0.51
			Across	0.51

Sample Reference	Characteristic	EN 14041: 2004 Requirements	Direction	Average Results
Durbar	Slip Resistance	Dynamic Coefficient of friction of ≥ 0.30	Along	0.52
			Across	0.52

Sample Reference	Characteristic	EN 14041: 2004 Requirements	Direction	Average Results
Slate	Slip Resistance	Dynamic Coefficient of friction of ≥ 0.30	Along	0.65
			Across	0.65

COMMENTS

The test is conducted to assess the Dynamic Coefficient of Friction of the surface of a vinyl 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 calibrated leather sliders and one calibrated shoe rubber slider is loaded to impose a specified force (10kg) on to the resilient 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 to 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 affected 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.

Annex 1.0 – Appearances.



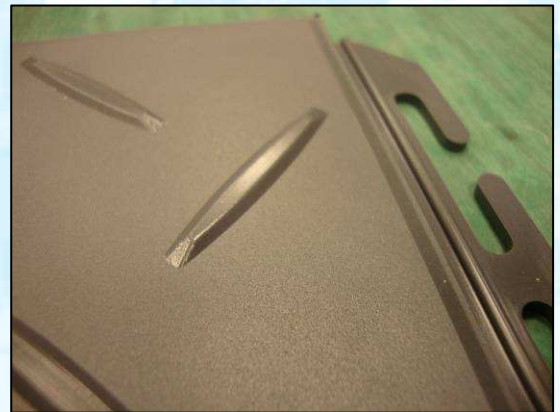
Smooth Texture



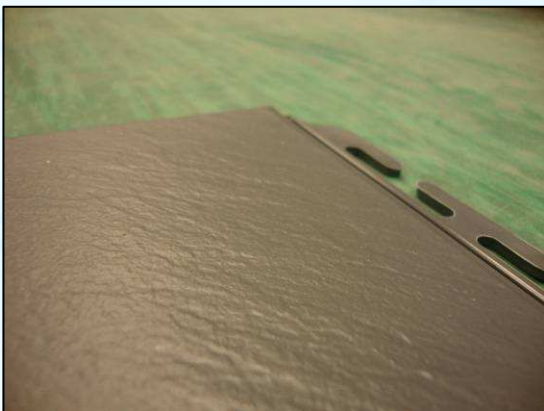
Raised Disk – Low Profile



Raised Disk – High Profile



Durbar



Slate

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Issue Date: 1st October 2009