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Test report no. 1-2014

Eldbjørg Markhus Brekke

Testing of Light Fastness to Impregnated vs. Non-impregnated Wool Fabrics

SIFO

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Test report no 1 – 2014

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TEST REPORT NO.: 1-2014

Testing of Light Fastness to Impregnated vs. Non-impregnated Wool Fabrics

SUMMARY:

SIFO received two fabric samples, for testing according to:

- NS-EN ISO 105-B02 Colour fastness to artificial light: Xenon arc fading lamp test

RESULTS:

Refer to the tables in the report.

CLIENT: Fiber Protector Norge As
Rolfsbuktveien 17
1364 Fornebu
Norway
Telephone: 932 41 400
E.mail:espen@fiberprotector.com

Client's reference: Espen Vogt

Carried out by: Jorunn Schander, Tone Bergh, Kari Vereide, Eldbjørg Markhus Brekke and
Kirsi Laitala, in the period 15.1. – 12.2.2014

Approved: Oslo 24.2.2014


Harald Throne-Holst
Head of research


Kirsi Laitala
Chief Engineer

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The results are valid for the tested material only.

”-” means that the information is not available or that the test is not carried out.

Description of tested material

SIFO received 19.12.2013 two samples of fabric, one impregnated and one non-impregnated.

Information about the samples was given by the client. The samples were labelled untreated/treated by SIFO, as instructed by the client.

Sample No.	-01A	-01B
Product	Fabric, non- impregnated	Fabric, impregnated
Fibre labelling	Wool/viscose	Wool/viscose
Fabric construction	Woven	Woven
Colour	Purple	Purple
Producer	Gudbrandsdal ullvarefabrikk	Gudbrandsdal ullvarefabrikk
Clients reference	Modal	Modal

Test method and results

Conditioning and testing climate according to NS-EN ISO 139:2005, (20±2) °C and (65±4) % RH, if nothing else is stated.

Colour fastness to light	NS-EN ISO 105-B02:1999/A1:2002 Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test	
Method	No. 2	
Test apparatus	Heraeus Xenontest 150 S	
Exposure conditions	Normal conditions: 40 % effective humidity, maximum temperature 50 °C	
Assessment conditions	D ₆₅ standard noon daylight	
Number of observers	4 (final assessment)	
Results	-01A	-01B
	Grade	5,5
Remarks Assessed on a scale, blue wool reference*, from 1 to 8, where 8 is very high colour fastness and 1 is very low colour fastness. *According to the standard clause 5.1.2, a blue wool reference, which has a known response to light, is illuminated together with the samples.		

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