

FORSCHUNGSINSTITUT HOHENSTEIN

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TESTING IN THE FIELD OF TEXTILE ECOLOGY

Boennigheim, 28th March 2008
Ho/sm

Test Report No. 08.0.57958/1 (=05.0.2798 ZV3)

Applicant : Verosol Fabrics B.V.
De Kieft 18
7151 HZ Eibergen
NETHERLANDS

Date of order : 14.02.2008

Reference no. or contact person : Ms C. Pasman
Tel: 0031-545-463333
Fax: 0031-545-463329

Receipt of order : 18.02.2008

Receipt of material : 18.02.2008

Receipt of further information : 26.02.2008 Updated certificate CQ 800/1

Details of order : Renewal of the certificate for textile products with the label
“Confidence in textiles – passed for harmful substances according to Oeko-Tex Standard 100”

Test no. of first certification (master no.) : 05.0.2798

This test report comprises 6 pages

The test results relate only to the test samples submitted. This test report must only be reproduced in full and not in extract form. Use of the test report in advertising or the publication of free interpretations of the test results is only allowed with the express permission of Forschungsinstitut Hohenstein. Remaining test material will usually be destroyed after 3 months. Our terms of business shall apply, www.hohenstein.de/pdf/agb_e.pdf

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For technical reasons, the Institute will allocate a new test number to each order for the renewal of a certificate.

The renewed certificate will always be issued under the master number indicated in the first certification. The master number in brackets will be suffixed to the current test number of this expertise and will serve to identify the relevant product. The additional designation "ZV" with a number indicates the number of times the certificate has been renewed.

The application for renewal of the certificate was submitted using the relevant forms issued for this purpose.

The applicant enclosed the declaration of conformity.

The originals of all necessary documents have been signed with a legally binding signature.

The orderer confirmed that no biological active product is used.

Further the orderer confirmed that no flame retardant product is used.

Information is provided regarding following changes:

- Change of auxiliary name Atebin TAS: new Evo Fin TAS

The valid copy for the Oeko Tex certificate (CQ 800/1) for the products in use was enclosed with the application.

Safety data sheets are appended to the documents.

The application was made for the following article group:

Metallised Interior Screen fabrics made of PVC (coated)/Glass fibres, 64/36.

The four product categories specified in Oeko-Tex Standard 100 are described as follows:

Product class	Definition
I	Products for babies Products for babies in context with this standard are all articles, basic materials and accessories, which are provided for the production of articles for babies and children up to 36 months with the exception of leather clothing.
II	Products with direct contact to skin Skin contact articles are those which are worn with a large part of their surface in direct contact with the skin (e.g. blouses, shirts, underwear etc.).



Product class	Definition
III	Products without direct contact to skin No skin contact articles are those which are worn with only a little part of their surface in direct contact with the skin (e.g. stuffings, linings etc.).
IV	Decoration material Decoration material in context with this standard are all articles including initial products and accessories which are used for decoration such as table clothes, wall coverings, furnishing fabrics and curtains, upholstery fabrics, floor coverings and mattresses.

According to the information provided by the orderer and to the specified area of use, product class IV is applicable.

The test material named below was submitted for testing.

Serial no.	Description of article or material	Additional information			Material composition
		Quality	Article no.	Colour	
1	interior sreen fabric	metallised coated	EBO3	grey, silver	PVC/glas fibre/AL 64/36

If only parts of certain articles were included in the tests, only these parts are named in the list of materials.

A numerical designation was provided in the list of materials. If the orderer supplied specific information about the articles, this is also included in the list.

The numerical designation of the samples is identical to the designation in the list of results.

Test Result/s

Tests were carried out in accordance with Oeko-Tex Standard 100, including the special testing procedure laid down in Oeko-Tex Standard 201.

The test results are given in the charts below.

sample	pH			
1	6,5			
limit values acc. to Oeko-Tex Standard 100	product class I 4,0 – 7,5	product class II 4,0 – 7,5	product class III 4,0 – 9,0	product class IV 4,0 – 9,0



Note:

Those products which must be treated wet during the further processing can have a pH value within 4,0 - 10,5; those leather products, coated or laminated in product class IV a pH value within 3,5 - 9,0 is accepted.

sample	formaldehyde in mg/kg (ppm)			
	1	n.d.		
limit values acc. to Oeko-Tex Standard 100	product class I not detectable	product class II 75	product class III 300	product class IV 300

Note:

According to Japanese Law 112 "n.d." corresponds with an absorption unit < 0,05 respectively < 20 ppm.

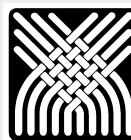
sample	extractable heavy metals in mg/kg (ppm)								
	Sb antimony	As arsenic	Pb lead	Cd cadmium	Cr chromium	Co cobalt	Cu copper	Ni nickel	Hg mercury
1	< 4	< 0,05	< 0,05	< 0,05	< 0,1	< 0,1	< 4	< 0,1	< 0,01
limit values acc. to Oeko-Tex Standard 100									
product class I	30	0,2	0,2	0,1	1,0	1,0	25,0 ¹	1,0	0,02
product class II	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0	0,02
product class III	30	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0	0,02
product class IV	--	1,0	1,0 ¹	0,1	2,0	4,0	50,0 ¹	4,0	0,02

Notes:

¹ No requirement for accessories made from inorganic materials

A Test after mechanical ageing (EN 12472)

sample	emission of volatiles in mg/m ³							
	toluene	styrene	vinyl- cyclohexene	4-phenyl- cyclohexene	butadiene	vinylchloride	aromatic hydrocarbons	organic volatiles
1	0,004	< 0,002	< 0,002	< 0,002	-	< 0,002	0,01	0,04
limit values acc. to Oeko-Tex Standard 100								
product class I - IV	0,1	0,005	0,002	0,03	0,002	0,002	0,3	0,5



sample	odour test
1	n.d.
limit value acc. to Oeko-Tex Standard 100	product class I - IV no abnormal odour

One copy of this report will be sent to the applicant.

The Certification Office in Eschborn will be sent the original application documents with a legally binding signature and a second copy of this report for the issue of the certificate.

If relevant to the certification procedure these documents were supplemented by further declarations filled by the applicant.

Conclusion

The material for which the certification was applied fulfils the specific requirements for product class IV of Oeko-Tex Standard 100.

It is representative of the article group for which an application for certification was made.

The certification of the following article group is approved:

Metallised Interior Screen fabrics made of PVC (coated)/Glass fibres, 64/36.

Each holder of certificate has signed for the quality of his articles on his own responsibility. This is in accordance with the given declaration of conformity. He is committed to ensure this by suitable and sufficient spot checks. This commitment includes the quality of bought materials, too. In the case of delegating parts of this quality assurance to others the certifying body must be fully acquainted (see point 4 "Conformity declaration").

Oeko-Tex is authorized to carry out spot checks in order to inspect the certified goods. The certificate holder will receive a separate test report with the results of these inspections.

If the spot checks reveal a deviation from the limit values, additional tests will have to be carried out. The relevant costs will be charged to the certificate holder.

The applicant is responsible for checking the validity of the certificates issued to his suppliers.



If the term of validity of these certificates expires within the term of validity of the applicant's certificate, he is obliged to request updated or extended certificates from his suppliers.

Copies of updated certificates from suppliers should be presented as proof and for documentation purposes under the test number of the applicant's certificate.

The actual version of Oeko-Tex Standard 100 is edition 01/2008. It can be downloaded directly from the Oeko-Tex Homepage (<http://www.oeko-tex.com>).

Director of the Institute

Department of Material Testing
- Head of Test Centre
Oeko-Tex Standard 100 -

Dr. Stefan Mecheels

Dipl.-Ing. (FH) Ortrud Weber