

Firm: Scamosceria Astico SpA
Via Marco Corner N.32
36016 THIENE (VI)
Italy

CQ reference: FWT0186811/1030/X/
DCR/1

Date: 8th September 2010

Samples received: 26th July 2010

Attention of: Maura Parise

Testing completed: 5th August 2010

TECHNICAL SERVICES REPORT

Subject: Testing of upper leather against EN ISO 20345:2004

Sample reference: Art Matrix Col Black

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 It must not be published, for example by including it in advertisements, without the prior written permission of SATRA.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 † 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 prepared by: Darren Roberts
Report signed by: Darren Roberts
Footwear Technologist
Footwear Technology - Testing
On behalf of SATRA Technology Centre Ltd

INTRODUCTION



Purpose of testing Investigative testing
Sample description Art Matrix Col Black

CONCLUSIONS

TEST	RESULT
EN ISO 20345:2004 Clause 5.4 (Uppers) <i>Art Matrix Col Black</i>	Pass clauses 5.4.3, 5.4.4 & 5.4.9
EN ISO 20345:2004 Clause 5.5 (Lining) <i>Art Matrix Col Black</i>	Pass clause 5.5.2
EN ISO 20345:2004 Clause 6 (Additional requirements) <i>Art Matrix Col Black</i>	Pass clause 6.3.1

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Signed: Darren Roberts
Footwear Technologist
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RESULTS

EN ISO 20345:2004 Clause 5.4 (Uppers)				
Clause in EN ISO 20345	Specification requirements	Sample	Sample Result	Final result
<i>Reference and description Art Matrix Col Black</i>				
Tear Strength (5.4.3)	≥120N (3 test pieces per size, lowest result of 3 recorded)	Sample: 1	214N	PASS
Tensile Strength (5.4.4)	≥15N/mm ² (3 test pieces per size, lowest result of 3 recorded)	Sample: 1	16.4N/mm ²	PASS
Chrome VI Content (5.4.9)	<3mg/kg Chrome VI	Sample: 1 Sample: 2	<3mg/kg <3mg/kg	PASS

EN ISO 20345:2004 Clause 5.5 (Lining)				
Clause in EN ISO 20345	Specification requirements	Sample	Sample Result	Final result
<i>Reference and description Art Matrix Col Black</i>				
Abrasion resistance (5.5.2)	No holing before: 25600 revs dry and 12800 revs wet (4 test pieces per sample any one with holing constitutes a failure)	Sample: 1	Dry: No holing Wet: No holing	PASS

EN ISO 20345:2004 Clause 6 (Additional requirements)				
Clause in EN ISO 20345	Specification requirements	Sample	Sample Result	Final result
<i>Reference and description Art Matrix Col Black</i>				
Clause 6.3 Uppers				
Water penetration and water absorption (6.3.1)	Water penetration ≤0.2g Water absorption ≤30%	Sample: 1 Sample: 2	Penetration: 0.02g, Absorption 0.5% Penetration: 0.02g, Absorption 0.7%	PASS

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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Prices are based on current material and production costs, exchange rates, duty and freight and are subject to change without notice.
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Delivery estimates are made in good faith and date from receipt of a written order and full information to enable us to proceed. While SATRA or its subsidiaries (hereafter referred to as "SATRA") make every effort to fulfil them, such estimates are subject to unforeseen events and if not maintained, cannot give rise to any claim. Offers "ex stock" are subject to prior sale.
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Claims for errors, shortages etc should be notified within 10 days of date of receipt. In the event of goods damaged in transit, packing materials should be retained for examination; otherwise no liability can be accepted.
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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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 - i. The above shall not be disclosed to third parties or used in litigation without the consent of SATRA.
 - 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

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