



RM 1801-02, 1808 & RM 2010,  
TOWER B, REGENT CENTRE,  
63 WO YI HOP ROAD, KWAI CHUNG,  
NEW TERRITORIES, HONG KONG  
TEL: (852) 2429 7022 FAX: (852) 2429 7266  
[ctcasia@ctcgroupe.com](mailto:ctcasia@ctcgroupe.com)

## TEST REPORT

Report No.: 01473-16



April 25, 2016

Page 1/3

**APPLICANT:**  
**IRONCLAD PERFORMANCE WEAR**

MR. DEREK ESHLEMAN  
1920 HUTTON COURT #300 FARMERS BRANCH,  
TEXAS 95234, USA

**Test(s) requested :** EN 388 TESTS  
**Sample description:** --  
**Product Category :** --  
**Product Type :** --  
**Style / Article no. :** Wrenchworx (WWX2)  
**Ref no. :** Wrenchworx (WWX2)  
**Order no. :** --  
**Supplier :** --  
**Number of sample(s) :** 6 PAIRS OF GLOVES  
**Buyer :** --  
**Exported to :** --  
**Date of receipt of application form :** Mar 24, 2016  
**Date of receipt of sample :** Mar 24, 2016  
**Testing period :** March 24, 2016- April 25, 2016  
**Service required :** REGULAR

**1. Conclusion:**

Testing	Result	Combine / Separate Test Item(s)	Failed Test Item(s)
Abrasion resistance of glove	Level 2	(S01)	---
Blade cut resistance of glove	Level 1	(S02)	---
Tear resistance of glove	Level 3	(S01)	---
Puncture resistance of glove	Level 2	(S01)	---

The abrasion and puncture resistances both got level 2; the blade cut resistance got level 1; the tear resistance got level 3 according to EN 388 standard.

Approved by

Original signed

John Cheung Fai Cheong  
Assistant Laboratory Supervisor



RM 1801-02, 1808 & RM 2010,  
TOWER B, REGENT CENTRE,  
63 WO YI HOP ROAD, KWAI CHUNG,  
NEW TERRITORIES, HONG KONG  
TEL: (852) 2429 7022 FAX: (852) 2429 7266  
[ctcasia@ctcgroupe.com](mailto:ctcasia@ctcgroupe.com)

## TEST REPORT

Report No.: 01473-16



April 25, 2016

Page 2/3

**APPLICANT:**  
**IRONCLAD PERFORMANCE WEAR**

### 2. Label(s) on the sample(s):

Sample(s)	ID	Size	Style/Art. No.	Sub-sample(s)	Component(s)	Colour
(01)	i	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black
(01)	ii	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black
(01)	iii	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black
(01)	iv	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black
(01)	v	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black
(01)	vi	--	Wrenchworx (WWX2)	(a)	Glove	Grey/Black

Remarks: (1) ID is used for identification in which the numbers of sample received are of the same article, ref. no., colour, etc.

### 3. Sample(s) description assigned by laboratory:

Test item	Sample(s)	Combine / Separate sub-sample(s)
(S01)	(01)-i+ii	(a)
(S02)	(01)-iii	(a)



The report is issued by CTC Asia Ltd. under its General Conditions printed overleaf. The Results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Asia Ltd. for more than 1 month.  
The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.  
Hong Kong Accreditation Service (HKAS) has accredited CTC Asia Ltd. (Reg. No. 158-TEST) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories.

## TEST REPORT

Report No.: 01473-16

April 25, 2016

Page 3/3

**APPLICANT:**  
**IRONCLAD PERFORMANCE WEAR**

### 4. Test Results :

TEST METHOD		Test item(s) (S01)	Requirement	P/F
1	<b>Abrasion resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.1) Lowest value of four tests : Performance Level :	1,035 2	--- ---	--- ---
2	<b>Tear resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.3) Lowest value of four tests (N): Performance Level :	67 3	--- ---	--- ---
3	<b>Puncture resistance of glove<sup>#</sup></b> (NF EN 388:2004 §6.4) Lowest value of four tests (N): Performance Level :	65 2	--- ---	--- ---

TEST METHOD		Test item(s)		Requirement	P/F		
		(S02)					
4	<b>Blade cut resistance of glove<sup>#</sup></b> <b>(NF EN 388:2004 §6.2)</b> Sequence	Index (I)					
		Test 1	Test 2				
		1	1.9			---	
		2	2.1			---	
		3	2.0			---	
		4	2.1			---	
		5	2.2			---	
		Average (I):	1.8			2.0	---
		Lowest average value ( I ) :	1.8				---
Performance Level :	1		---				

**# Table of Performance Level for Glove**

Test Item	Performance Level					
	0 <sup>##</sup>	1	2	3	4	5
<b>Abrasion Resistance (NF EN 388:2004 §6.1)</b> Number of cycles (minimum)	< 100	100	500	2000	8000	---
<b>Blade Cut Resistance (NF EN 388:2004 §6.2)</b> Index (I) (minimum)	< 1.2	1.2	2.5	5.0	10.0	20.0
<b>Tear Resistance (NF EN 388:2004 §6.3)</b> Force (N) (minimum)	< 10	10	25	50	75	---
<b>Puncture Resistance (NF EN 388:2004 §6.4)</b> Force (N) (minimum)	< 20	20	60	100	150	---

<sup>##</sup> Performance level 0 means the glove falls below the minimum performance level for the given individual hazard.

**- End of report -**