



SOLICITATION NUMBER: IFB 16-31  
FIREFIGHTER TURNOUT GEAR

CITY OF GLENDALE  
Materials Management  
5850 West Glendale  
Avenue, Suite 317  
Glendale, Arizona 85301

4.0 CONDITIONAL ACCEPTANCE

INVITATION FOR BID NO. IFB # 16-31

TITLE: FIREFIGHTER TURNOUT GEAR

1. Subject to City Council approval, this notification constitutes a conditional acceptance of your bid to provide the materials listed on the Price Sheet. All terms and conditions of the IFB shall apply.
2. The term of the proposed Agreement shall be a one (1) year initial period with the option of the City and with the approval of the Contractor to extend the proposed agreement for four (4) additional years in one (1) year increments based on satisfactory contract performance.
3. A Department administrator will oversee the proposed Agreement for the City. The City's contract administrator is \_\_\_\_\_.
4. This Conditional Acceptance does not constitute a commitment to purchase on the part of the City of Glendale.
5. **You are required to sign three (3) copies of this Acceptance form and return with this Bid.** Failure to furnish signed copies of this document to the City of Glendale will be considered a default, and your refusal to contract with the City. The City is entitled to any remedies or rights as may be granted by law.

OFFER

The Undersigned hereby offers and agrees to furnish the material or service in compliance with all terms, conditions, specifications and amendments in the Solicitation and any written exceptions in the bid.

Contractor Name: FDC Rescue Products, LLC Contractor Signature: *Earl R. Johnson III*  
 Company Address: 2202 W. Lone Cactus Dr. #5 Printed Name and Title: Earl R. Johnson III, President  
Phoenix, AZ 85027 Telephone No. (623) 463-2235  
 Company Federal I.D: 46-2139161 Arizona Sales Tax No. 20915607  
 Email Address: Earl@FDCrescue.com

ACCEPTANCE OF OFFER

The Offer is conditionally accepted. The Contractor is now bound to sell the materials or services specified in the IFB, including all terms and conditions, specifications, addenda, etc. Contractor is cautioned not to provide any material or service under this proposed Agreement until City Council has approved the expenditure and Contractor receives a Purchase Order.

City of Glendale City Manager or Designee Signature: \_\_\_\_\_ ATTEST: \_\_\_\_\_

Printed Name and Title: \_\_\_\_\_ City Clerk (SEAL)

APPROVED AS TO FORM:

Kevin R. Phelps City Manager

\_\_\_\_\_

Date: \_\_\_\_\_

City Attorney



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**5.0 BIDDING SCHEDULE**

Bidders shall thoroughly complete the Price Sheet as requested. The Unit Price shall include, but is not limited to, shipping, labor, equipment, tools, materials, supplies, licenses, fees, insurance, profit, and any other associated direct or indirect costs. Sales tax shall not be included in the Unit Price.

<b>5.1 FIREFIGHTER TURNOUT GEAR</b>					
<b>Item No.</b>	<b>Estimated Quantities (A)</b>	<b>Unit</b>	<b>Description</b>	<b>Unit Price (B)</b>	<b>Extended Amount (A X B)</b>
5.1.1	150	Each	STRUCTURAL FIREFIGHTING HELMET Mfg/Model: _____	\$ _____	\$ NO BID
5.1.2	150	Each	TURNOUT COATS Mfg/Model: _____	\$ _____	\$ NO BID
5.1.3	150	Each	TURNOUT PANTS Mfg/Model: _____	\$ _____	\$ NO BID
5.1.4	200	Pair	STRUCTURAL FIREFIGHTING GLOVES Mfg/Model: _____	\$ _____	\$ NO BID
5.1.5	800	Each	STRUCTURAL FIREFIGHTING HOODS Mfg/Model: <u>Majestic PAC II 23" C6</u>	\$ <u>36.68</u>	\$ <u>29,344.00</u>
5.1.6	100	Pair	STRUCTURAL FIREFIGHTING BOOTS – HONEYWELL BT5007	\$ _____	\$ NO BID
5.1.7	100	Pair	STRUCTURAL FIREFIGHTING BOOTS – GLOBE SHADOW™	\$ _____	\$ NO BID
5.1.8	100	Pair	STRUCTURAL FIREFIGHTING BOOTS – BLACK DIAMOND X2	\$ <u>284.00</u>	\$ <u>28,400.00</u>
5.1.9	125	<sup>5</sup> Gallons	TURNOUT SOAP/CITROSQUEEZE	\$ _____	\$ NO BID
<b>GRAND TOTAL (Items 5.1.1 through 5.1.9)</b>				\$ _____	\$ <u>57,744.00</u>

**5.2 TAX AMOUNT** Bidders should not include transaction use tax or federal tax in their unit price. For the purpose of determining the lowest cost, the City will not take tax into consideration.

**Tax Rate:** 8.3 %



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**5.3 DELIVERY** Bidder states that all orders shall be delivered per Section 1.2.9 after receipt of purchase order, contract release document or written notice to proceed from the City of Glendale.

**5.4 PROCUREMENT CARD ORDERING CAPABILITY** Please check appropriate box.

YES, I will accept payment under this contract with the Procurement Card.

NO, I will not accept payment under this contract with the Procurement Card.

**Company Name:** FDC Rescue Products, LLC



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If NOT Compliant, please be specific about what area is not in compliance and thoroughly explain the differences in a separate letter/memo as to why you chose to take an exception. A written explanation must be submitted referencing the specific paragraph number and adequately defining the exception submitted. Any pictures/digitals photos would also be preferred to show any of the exceptions.

COMPLIANCE CHECK SHEET

Check Response

1.2 COMPLIANCE OF STANDARDS & REGULATIONS

- 1.2.1 NFPA CERTIFICATION/TRAINING Yes  No
- 1.2.2 CERTIFICATIONS/ADDITIONAL MANUFACTURER REQUIREMENTS Yes  No
- 1.2.3 SAMPLES Yes  No
- 1.2.4 RESEARCH & DEVELOPMENT Yes  No
- 1.2.5 NEW PRODUCT AVAILABILITY Yes  No
- 1.2.6 DISCONTINUATION OF CONTRACTED ITEM Yes  No
- 1.2.7 LIABILITY CONSIDERATIONS Yes  No
- 1.2.8 WARRANTY Yes  No
- 1.2.9 DELIVERY Yes  No
- 1.2.10 USER INFORMATION GUIDE Yes  No
- 1.2.11 CLEANING INSTRUCTIONS Yes  No
- 1.2.12 TRACEABILITY Yes  No
- 1.2.13 LABELING Yes  No
- 1.2.14 QUALITY Yes  No
- 1.2.15 WORKMANSHIP Yes  No
- 1.2.16 REPAIR & REPLACEMENT PARTS Yes  No
- 1.2.17 BIDDER'S COMPLIANCE WITH HEALTH, ENVIRONMENTAL & SAFETY Yes  No

1.3 STRUCTURAL FIREFIGHTING HELMET –CONSTRUCTION REQUIREMENTS

- 1.3.2 OUTERSHELL Yes  No
- 1.3.3 SUSPENSION SYSTEM Yes  No
- 1.3.4 BRIM EDGE TRIM Yes  No
- 1.3.5 HELMET HARDWARE AND THREAD REQUIREMENTS Yes  No
- 1.3.6 HELMET HANGER LOOP AND BRACKET Yes  No
- 1.3.7 FACE SHIELD MOUNTING BRACKETS Yes  No
- 1.3.8 INTERNAL PROTECTION SYSTEM Yes  No
- 1.3.9 SUSPENSION HEADBAND AND RETENTIONS SYSTEMS Yes  No
- 1.3.10 EYE PROTECTION MOUNTING SYSTEM Yes  No
- 1.3.11 REFLECTIVE TRIM Yes  No

**NO BID ON  
HELMETS**



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COMPLIANCE CHECK SHEET

Check Response

- 1.3.12 EAR COVERS/FLAPS Yes  No
- 1.3.13 WINTER LINER Yes  No
- 1.3.14 CHINSTRAP Yes  No
- 1.3.15 WARRANTY Yes  No
- 1.4 TURNOUT GARMENT/COAT & PANT - CONSTRUCTION REQUIREMENTS
- 1.4.2 ADDITIONAL LABELING Yes  No
- 1.4.3 THREAD Yes  No
- 1.4.4 STITCH METHODS Yes  No
- 1.4.5 MATERIALS FOR COAT & PANTS Yes  No
- 1.4.6 OUTER SHELL MATERIAL Yes  No
- 1.4.7 MOISTURE BARRIER MATERIAL Yes  No
- 1.4.8 BREATHABILITY REQUIREMENTS Yes  No
- 1.4.9 THERMAL LINER Yes  No
- 1.4.10 MOISTURE BARRIER/THERMAL LINER ATTACHMENT Yes  No
- 1.4.11 REINFORCEMENT MATERIALS Yes  No
- 1.4.11.1 CUFF REINFORCEMENT Yes  No
- 1.4.11.2 SEAM ABRASION SHIELD Yes  No
- 1.4.11.3 POCKET REINFORCEMENT Yes  No
- 1.4.11.4 ELBOW REINFORCEMENT Yes  No
- 1.4.12 REFLECTIVE TRIM Yes  No
- 1.5 COAT - CONSTRUCTION REQUIREMENTS
- 1.5.2 PATTERNING REQUIREMENTS COAT Yes  No
- 1.5.3 THERMAL REINFORCED YOKE Yes  No
- 1.5.4 SHELL YOKE REINFORCEMENT Yes  No
- 1.5.5 INSPECTION PORT Yes  No
- 1.5.6 COAT RISE Yes  No
- 1.5.7 HANG UP LOOP Yes  No
- 1.5.8 SIZING Yes  No
- 1.5.9 COAT LENGTH Yes  No
- 1.5.10 LABEL LINER POCKET Yes  No
- 1.5.11 SLEEVES Yes  No
- 1.5.12 BELLOWS UNDERARMS Yes  No
- 1.5.13 WRISTLET EXTERNAL Yes  No
- 1.5.14 WATERWELL & INTERNAL WRISTLET Yes  No

NO BID ON  
BUNKER GEAR



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COMPLIANCE INFORMATION

Check Response

- 1.5.15 COLLAR Yes  No
- 1.5.16 SHOULDER CAPS Yes  No
- 1.5.17 LINER & DESIGN ATTACHMENT Yes  No
- 1.5.18 DRAG RESCUE DEVICE Yes  No
- 1.5.19 STORM SHIELD/CLOSURE SYSTEM Yes  No
- 1.5.20 POCKETS Yes  No
- 1.5.21 REFLECTIVE TRIM Yes  No
- 1.5.22 AMERICAN FLAG Yes  No
- 1.5.23 MICROPHONE TAB Yes  No
- 1.5.24 FLASHLIGHT STRAP Yes  No
- 1.5.25 GLOVE HOLDER Yes  No
- 1.5.26 SNAP HOLDER Yes  No
- 1.5.27 REMOVABLE ACCOUNTABILITY PANEL Yes  No
- 1.6 PANT - CONSTRUCTION REQUIREMENTS
- 1.6.2 PATTERNING & DESIGN Yes  No
- 1.6.3 MOISTURE BARRIER/THERMAL LINER CONSTRUCTION Yes  No
- 1.6.4 MOISTURE BARRIER/THERMAL LINER ATTACHMENT Yes  No
- 1.6.5 INSPECTION PORT Yes  No
- 1.6.6 SIZING Yes  No
- 1.6.7 KNEE PADDING/THERMAL LAYERING Yes  No
- 1.6.8 FLY CONSTRUCTION Yes  No
- 1.6.9 BOOT CUT Yes  No
- 1.6.10 REFLECTIVE TRIM Yes  No
- 1.6.11 SUSPENDERS Yes  No
- 1.6.12 BELT AND HARNESS Yes  No
- 1.6.13 POCKETS Yes  No
- 1.6.14 TAKE UP STRAPS Yes  No
- 1.7 STRUCTURAL FIREFIGHTING GLOVES – CONSTRUCTION REQUIREMENTS
- 1.7.2 OUTERSHELL Yes  No
- 1.7.3 THERMAL LINER Yes  No
- 1.7.4 PROTECTIVE BARRIER Yes  No
- 1.7.5 WRIST PULL Yes  No
- 1.7.6 HANGER LOOP Yes  No
- 1.7.7 THREAD Yes  No
- 1.7.8 SIZING Yes  No

NO BID ON  
BUNKER GEAR

NO BID ON  
GLOVES

	<b>SOLICITATION NUMBER: IFB 16-31</b> <b>FIREFIGHTER TURNOUT GEAR</b>	<b>CITY OF GLENDALE</b> <b>Materials Management</b> <b>5850 West Glendale</b> <b>Avenue, Suite 317</b> <b>Glendale, Arizona 85301</b>
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<u>COMPLIANCE INFORMATION</u>		Check Response
<b>1.8</b>	<b><u>STRUCTURAL FIREFIGHTING HOODS – CONSTRUCTION REQUIREMENTS</u></b>	
1.8.2	MATERIAL SPECIFICATIONS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.3	FABRIC PERFORMANCE VALUES	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.4	THERMAL PROTECTIVE PERFORMANCE	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.5	OVERALL LENGTH	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.6	FACE OPENING	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.7	BINDING	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.8.8	SEAMS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>1.9</b>	<b><u>STRUCTURAL FIREFIGHTING BOOTS – CONSTRUCTION REQUIREMENTS</u></b>	
1.9.2	ADDITIONAL CERTIFICATION	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.9.3	SIZING	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1.9.4	<u>BOOT SPEC #1 MFG/MODEL: HONEYWELL BT5007</u>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	1.9.4.1 SIZING	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1.9.5	<u>BOOT SPEC #2 MFG/MODEL: GLOBE SHADOW™</u>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	1.9.5.1 SIZING	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1.9.6	<u>BOOT SPEC #3 MFG/MODEL: BLACK DIAMOND X2</u>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	1.9.6.1 SIZING	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>1.10</b>	<b><u>CITROSQUEEZE®</u></b>	
1.10.7	LABELING	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1.10.8	COMPONENTS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
1.10.9	QUANTITY	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>



PO Box 248  
 Leighton, PA 18235  
 Phone: 610-377-6273  
 Fax: 610-377-6221  
[cs@majhoods.com](mailto:cs@majhoods.com)  
[www.majhoods.com](http://www.majhoods.com)

ISO 9001:2008 Registered Manufacturer

## PAC II - 23" HOOD SPECIFICATIONS

### DESIGN

Head Design Traditional head design/length  
 Bib(Apron) Design Longer length, notched shoulder bib design

### LAYERS

Head Layers 2 ply material  
 Bib(Apron) Layers 2 ply material

### LENGTH

Head Length 13"  
 Bib (Apron) Length 10"  
 OVERALL LENGTH 23"

### FACE OPENING

Full Face Opening Circular Measurement 120 mm - 145 mm  
 Sewn with 1/2" elastic. Elastic is encapsulated in material and cover stitched.  
 Elastic Face Opening stretches to accommodate a circumference of at least 31" (800 mm) for ease of donning, snug fit, and proper seal with SCBA.

### BINDING

Binding of same fabric material to enhance design with a finished look

### SEAMS

Thread 100% Nomex  
 Head design with traditional center head seam (comfortable central seam)  
 Safety lock cover stitch of seams  
 Seam burst strength tests are unsurpassed in industry - 2x or 3x NFPA minimum!  
**AIT (ADVANCED INSPECTION THREAD)** Hoods regularly have thread that matches the color of the hood (white on white / black on black). When AIT is requested, we use a contrasting thread color, which is especially important for inspection of gear. Any compromise to thread, seams, stitching is easily detected with AIT thread. AIT is available upon request. Contact us for more info.

### SIZING

UNIVERSAL size

### LABELING AND USER INFORMATION

**OWNER IDENTIFICATION** On the label the area of PROPERTY OF: \_\_\_\_\_. Today every Majestic hood is manufactured with our NEW OWNER ID label. Simply identify your ownership with any permanent marker, directly on label.  
 Labeling - each hood comes individually labeled to identify fabric, hood style, lot # traceability, DOM, Cleaning and Storage Instructions, and UL Certification.  
 Users Information Guide - each hood has an Warnings & Users Information Guide attached with imperative information. Please review before wearing.

### CLEANING AND STORAGE

Machine wash only using regular detergent. Do not use chlorine bleach or detergents containing chlorine. Do not use fabric softeners or detergents containing fabric softeners. Water temperature not to exceed 130 degrees F. Do not wring hood. Squeeze hood to remove excess water. Shape and lay flat in a dry, cool, shaded location to dry. Or tumble dry, low heat. Do not commercially dry clean. Do not store your hood in direct sunlight.

### CERTIFICATIONS

NFPA 1971-2013 UL Certified  
 Complies with CAL-OSHA Requirements Sections 3406 and 3410(d) and OSHA Rule 29 CFR Part 1910, 269  
**ARC Rated** hoods comply with NFPA 70E, meeting performance specifications of ASTM F1959. See material spec sheets for **ATPV** and **HAF** values



Longer length notched shoulder certified to NFPA 1971-2013  
 Notched shoulder for contoured fit (shoulders exposed)  
 Smooth fit in our MOST POPULAR long bib design!  
 Elite style  
 Wider width for air circulation keeping end user cooler  
 Generous width and size means less fabric stretch  
 The more surface area for moisture disbursement, the quicker moisture will evaporate - keeping end user dry!  
 Maintains protective properties after washing  
 MFA hoods offer the most square inches of protection!  
 You pick the style, you pick the material -  
 CUSTOMIZING your own hood!  
 Majestic Fire Apparel is a vertical manufacturer  
 Knitting our own fire retardant materials for over 16 years  
 We knit, cut, sew, and ship - all from our location in PA  
**MADE IN USA**

### WARRANTY INFORMATION

Your protective hood is warranted to be free from defects in material and workmanship for one year. This warranty does not cover normal wear or unusual exposures, including abrasive wearing of close-tolerance accessories—such as voice amplifiers. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to, implied warranties of marketability and/or fitness for a particular purpose. MFA, Inc. shall not be liable for incidental or consequential damages.

**DO NOT ALTER, MODIFY, ADD TO, OR CHANGE YOUR PROTECTIVE HOOD  
 DOING SO WILL VIOLATE WARRANTY AND VOIDS NFPA AND UL CERTIFICATION**

Hood Specifications, Hood Dimension Test, and Hood Opening Size Retention Test are in accordance with NFPA 1971-2013 test report dated 9/9/2014 performed by Underwriters Laboratories  
 ATPV and HAF values found in accordance with ASTM International Standard Test Method F1959-1999. Tests performed by Hugh Hoagland  
 all weights and measurements are approximate





ISO 9001:2008 Registered Manufacturer

## Ultra C6

<b>Material Content:</b>	65% Oxidized Polyacrylonitrile (OPF)/ 35% artificial tri-blend
<b>Material Construction:</b>	1 x 1 Rib Knit
<b>Material Weight:</b>	6.5 oz / yd <sup>2</sup> (+1 / -5)
<b>Material Color:</b>	Black (Standard)
<b>Color Options Available</b>	

### FABRIC PERFORMANCE VALUES

#### THERMAL PROTECTIVE PERFORMANCE (TPP)

2 ply - as received	33.1 cal/cm <sup>2</sup>
2 ply - after 5 washes	

#### HOOD MATERIAL BURST STRENGTH

402 N

#### FLAME RESISTANCE TEST

After Flame	as received	0 seconds
	after 5 washes	0 seconds
Char Length (wales x cour	as received	4 mm x 4 mm
	after 5 washes	3 mm x 3 mm

#### CLEANING SHRINKAGE RESISTANCE TEST

Hood Measurement	0%
Face Opening Measurement	4%

#### HEAT AND THERMAL SHRINKAGE RESISTANCE TEST

Hood Measurement	as received	0%
	after 5 washes	3%
Face Opening Measureme	as received	3%
	after 5 washes	5%

#### SEAM BREAKING STRENGTH TEST

573 N

#### MELT, DRIP, IGNITE, SEPARATE WHEN EXPOSED TO FLAME

None

#### ARC THERMAL PERFORMANCE VALUE (ATPV)

1 ply	10.6 cal/cm <sup>2</sup> (HRC 2)
2 ply	31.5 cal/cm <sup>2</sup> (HRC 3)

#### HEAT ATTENUATION FACTOR (HAF)

1 ply	79.1%
2 ply	92.1%

4th generation advanced CARBON technology  
 3 elements needed for fire = Oxygen, Heat, and Fuel  
 Without one element, a fire cannot start or continue  
 When exposed to flame, C6 fibers expand,  
 creating an Oxygen starved environment  
 so fire cannot continue. Material is self extinguishing  
 Inherently flame resistant (no harsh chemical treatments)  
 Odor neutralizing, Anti-Static, Low Heat Conductivity  
 Maintains performance values after laundering  
 Finished to minimize shrinkage  
 Rib knit allows for stretch and shape retention

Majestic Fire Apparel is a vertical manufacturer  
 Knitting our own fire retardant materials for over 16 years  
 We knit, cut, sew, and ship - all from our location in PA

**MADE IN USA**

#### NFPA 70E PERFORMANCE SPECIFICATIONS OF ASTM F 1959/F 1959M-06ae1:

HRC Level 1 = minimum 5 cal/cm<sup>2</sup> to 7 cal/cm<sup>2</sup>  
 HRC Level 2 = minimum 8 cal/cm<sup>2</sup> to 24 cal/cm<sup>2</sup>  
 HRC Level 3 = minimum 25 cal/cm<sup>2</sup> to 39 cal/cm<sup>2</sup>  
 HRC Level 4 = minimum 40 cal/cm<sup>2</sup> and over

Meets CAL-OSHA Requirements  
 Passes Federal Test 191, Method 5903.2; CAL OSHA Sections 3406(d)  
 Complies with OSHA Rule 29 CFR Part 1910, 269

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 090914-MH25768  
**Report Reference** MH25768-20130315  
**Issue Date** 2014-September-09

**Issued to:** Majestic Fire Apparel Inc.  
255 Wagner Street  
P.O. Box 248  
Lehighton, PA 18235


**This is to certify that representative samples of** Structural Fire Fighting Hoods  
See Following Pages for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting, 2013 Edition

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.

The UL Classification Mark includes: UL in a circle: with the word "CLASSIFIED"  (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product.



William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at [www.ul.com/contactus](http://www.ul.com/contactus)



# CERTIFICATE OF COMPLIANCE

**Certificate Number** 090914-MH25768  
**Report Reference** MH25768-20130315  
**Issue Date** 2014-September-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

UL ID	Model/Style	Outer Layer	Inner Layer
25768010401	PAC I	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange
25768010402	PAC IA	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange
25768010403	PAC II	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange



William R. Carney, Director, North American Certification Programs

UL LLC

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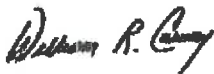


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 090914-MH25768  
**Report Reference** MH25768-20130315  
**Issue Date** 2014-September-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

UL ID	Model/Style	Outer Layer	Inner Layer
25768010404	PAC IIA	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange
25768010405	PAC II-DS	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange
25768010406	PAC III	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
Ultra C6	84633.03 Melange		



William R. Carney, Director, North American Certification Programs

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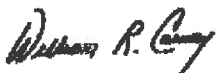


# CERTIFICATE OF COMPLIANCE

**Certificate Number** 090914-MH25768  
**Report Reference** MH25768-20130315  
**Issue Date** 2014-September-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

UL ID	Model/Style	Outer Layer	Inner Layer
25768010407	PAC IX	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange
25768010408	PAC F-20	Nomex	Nomex
		P84/Lenzing	P84/Lenzing
		PBI/Lenzing	PBI/Lenzing
		Nomex/Lenzing	Nomex/Lenzing
		PBI Gold	PBI/Lenzing
		Ultra CarbonKnight	Ultra CarbonKnight
		Ultra C6	Ultra C6
		Kevlar/Rayon	Kevlar/Rayon
		PBI Gold	P84/Lenzing
		Ultra C6	84633.03 Melange



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# CERTIFICATE OF COMPLIANCE

**Certificate Number** 090914-MH25768  
**Report Reference** MH25768-20130315  
**Issue Date** 2014-September-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

UL ID	Model/Style	Outer Layer	Inner Layer
25768010409	PAC II-SVZ	Sides, Bib: Nomex Crown: Ultra CarbonKnight	Sides, Bib: Nomex Crown: Ultra CarbonKnight
		Sides, Bib: P84/Lenzing Crown: Ultra CarbonKnight	Sides, Bib: P84/Lenzing Crown: Ultra CarbonKnight
		Sides, Bib: PBI/Lenzing Crown: Ultra CarbonKnight	Sides, Bib: PBI/Lenzing Crown: Ultra CarbonKnight
		Sides, Bib: Nomex/Lenzing Crown: Ultra CarbonKnight	Sides, Bib: Nomex/Lenzing Crown: Ultra CarbonKnight
		Sides, Bib: Ultra C6 Crown: Ultra CarbonKnight	Sides, Bib: Ultra C6 Crown: Ultra CarbonKnight

The following hood is an optional construction and contains additional layers from the standard 2-layer hood design.

UL ID	Model/Style	Location	Outer Layer	Middle Layer	Inner Layer
25768010410	PAC II	Head	2 Layers of Ultra C6	84633.03 Melange	Ultra C6
		Bib	Ultra C6	84633.03 Melange	Ultra C6
		Head & Bib	Ultra C6	84633.03 Melange	Ultra C6



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# Black Diamond X2 Boot



## Leather 0912

- Calf-fit System™
- Integrated Pull-on System
- Ankle Guard
- Built-in Boot Jack
- CROSSTECH® Footwear Fabric with Omaha Lining
- Fusion™ with Firetuff™ Leather Upper
- Tri-density Ortholite® Footbed
- 3 Point Heel Lock System
- Custom Fit System
- "Stroble" Lining Construction
- Ultra Slip Resistant Rugged Sole with Ladder Lock System
- 3M Scotchlite Reflective Material



Visit us at [www.blackdiamondfootwear.com](http://www.blackdiamondfootwear.com)  
Become a facebook fan at [BlackDiamondFire](https://www.facebook.com/BlackDiamondFire)  
[customerservice@bdboots.com](mailto:customerservice@bdboots.com)

Black Diamond Group  
400 Trade Center, Suite 2990  
Woburn, MA 01801  
1.800.459.5895

# BLACK DIAMOND



Stock No. **277-0912**

## SPEC SHEET

**ATHLETIC FLEXIBILITY & FIT OUT OF THE BOX**  
EVERY PAIR OF X2 BOOTS CAN BE CUSTOM FIT TO  
THREE WIDTHS: MEDIUM, WIDE AND EXTRA-WIDE.

### **3-POINT HEEL LOCKING SYSTEM**

Our exclusive innovation reduces heel slippage to increase mobility while keeping your foot in place where and when it's most important.

### **COMFORT FIT PLUS – WITH ORTHOLITE®**

3-density, multi-fit, removable footbed with TPU heel cradle for comfort, anti-odor, anti-fungal, breathable and shock absorption for overtime comfort.

**OrthoLite®**  
comfort from the inside out



## LEATHER FIREFIGHTER BOOT

<b>BOOT HEIGHT:</b>	14 inches
<b>LEATHER UPPER:</b>	FireTuff flame retardant waterproof HEAVYWEIGHT LEATHER UPPER
<b>FUSION UPPER:</b>	Fusion fabric – Nomex®/Kevlar® and Teflon® F.P.P.E.
<b>STROBEL LINING CONSTRUCTION:</b>	Strobel lining construction ensures NO liner pull-out, maximum fit and comfort.
<b>LINING:</b>	CROSSTECH® membrane with Omaha lining
<b>KEVLAR® LINING:</b>	Kevlar® lined for cut protection
<b>TIBIA PROTECTOR:</b>	Extended comfort form-fitting shin-guard for maximum protection
<b>CALF-FIT SYSTEM:</b>	Exclusive calf-fit system allows for extended CALF WIDTH, maximum flexibility, comfort and fit
<b>FOOTBED:</b>	ORTHOLITE® 3-density, multi-fit, removable footbed with TPU heel cradle for comfort, anti-odor, anti-fungal, breathable and shock absorption for overtime comfort.
<b>OUTSOLE:</b>	Proprietary Rubber Comfort Cup Sole with Comfort Flex, High Abrasion and Traction Performance. Built-in Heel Boot Jack for Easy-Off.
<b>STEEL TOE:</b>	Oblique, Comfort Wide Toe with Steel Toe Protection.
<b>TOE CAP AND HEEL PROTECTION:</b>	Molded Rubber Toe Cap and Heel for High Abrasion and Ankle Support Guard Protection
<b>PROTECTIVE PLATE:</b>	Stainless steel – meets or exceeds standards listed below
<b>STEEL SHANK:</b>	Double ridged steel
<b>PULL-ON SYSTEM:</b>	Integrated & reinforced pull-on system
<b>3-POINT HEEL LOCK SYSTEM:</b>	Exclusive 3-Point Heel Lock for Fit & Comfort
<b>3M SCOTCHLITE®</b>	Flame resistant and reflective for added visibility
<b>CERTIFICATION:</b>	NFPA1971-2013 Edition

**BLACK DIAMOND GROUP**

Toll-Free 1-800-459-5895 | Toll-Free Fax 1-888-425-1760 | customerservice@bdboots.com | www.blackdiamondfootwear.com





May 30, 2013

Mr. Jacke Lin  
Genfort Shoes, Ltd.  
2nd Ind Zone,  
Nan Lang, Zhong Shan  
Guang Dong, China

**Certification Letter**

Dear Mr. Lin:

We are pleased to confirm that the Structural Fire Fighting Footwear model below is certified by the Safety Equipment Institute, effective May 30, 2013. Certification testing was successfully completed in accordance with the requirements of *NFPA 1971-2013 Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting*.

<u>SEI Ref. No.</u>	<u>Brand</u>	<u>Model No.</u>	<u>Passed Testing</u>
SFB GEN 08	Black Diamond	277-0912	May 20, 2013


The SEI Certification Mark may be used in the marketing, packaging and promotion of the model(s) detailed above, in accordance with the provisions of the *SEI Certification Program Manual*.

Per the SEI Certification Program Manual, SEI shall certify the manufacturer's product model(s) and grant the right to use the SEI certification mark when 1) the Testing Laboratory has determined that the product model submitted and tested successfully meets the appropriate product standard, 2) the Quality Assurance Auditor has determined that the manufacturer complies with SEI quality assurance requirements through an on-site audit, including a review of the quality manual and procedures, 3) the manufacturer has paid all fees, and 4) product liability insurance requirements are met.

Following initial certification, SEI conducts annual follow-up testing on samples which are selected by SEI during the annual quality assurance audit. SEI's certification program is accredited as a System Type 5 per ISO/IEC Guide 67:2004(E).

Thank you for your participation in the SEI Certification Program. If you have any questions, please contact the SEI Office.

Sincerely,

  
William A. Fithian  
Technical Director

  
Patricia A. Gleason  
President

cc: Sharon Kuan, SEI Auditor



Safety Equipment Institute  
1307 Dolley Madison Blvd. Suite 3A McLean, Virginia 22101  
Tel: 703/442-5732 FAX: 703/442-5756  
www.seinet.org



# Black Diamond Rubber Boots



## Rubber 9451 S

- Molded Pull-on System
- Stitched Liner
- Lug Sole
- Rugged Tibia Protector
- Nomex/Kevlar Lining
- Ortholite® Footbed
- Comfort Fit



## Rubber 9451

- Molded Pull-on System
- Stitched Liner
- Lug Sole
- Rugged Tibia Protector
- Nomex/Kevlar Lining
- Ortholite® Footbed
- Comfort Fit



## 3/4 Hip 9203

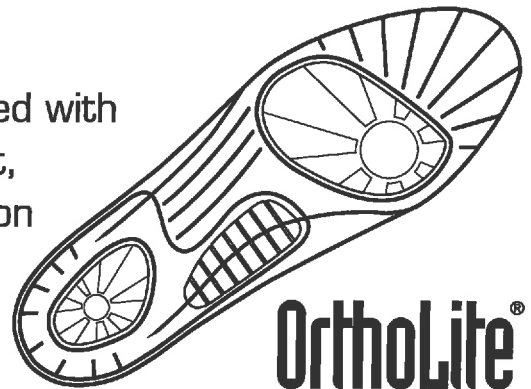
- Puncture Resistant
- Foam Insulated
- Steel Toe
- Internal Pull-on Loops
- Felt Liner
- Comfort Fit
- Steel Shank

# ***CUSTOM FIT BATTLE READY***

**EVERY PAIR OF X2 BOOTS CAN BE CUSTOM FIT TO THREE WIDTHS: MEDIUM, WIDE AND EXTRA WIDE**

## ***ORTHOLITE® FOOTBED***

Tri-density, multi-fit, removable comfort footbed with TPU arch support and heel cradle for support, anti-microbial, breathable and shock absorption



**OrthoLite®**  
comfort from the inside out

## ***MEDIUM WIDTH FIT***

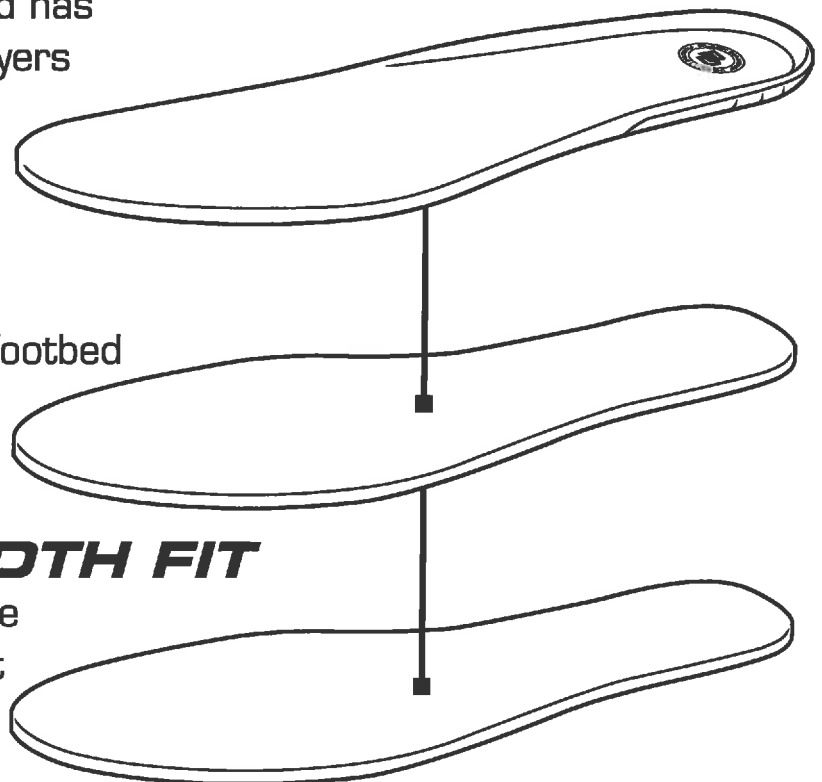
Every pair of X2 Boots comes standard in medium width and has one footbed and two “filler” layers

## ***WIDE WIDTH FIT***

For wide width fit remove one “filler” layer and re-insert the footbed

## ***EXTRA-WIDE WIDTH FIT***

For extra-wide width fit remove two “filler” layers and re-insert the footbed



**VISIT US @ [WWW.BLACKDIAMONDFOOTWEAR.COM](http://WWW.BLACKDIAMONDFOOTWEAR.COM)  
FACEBOOK: [WWW.FACEBOOK.COM/BLACKDIAMONDFIRE](http://WWW.FACEBOOK.COM/BLACKDIAMONDFIRE)**

