U L T R A G R I P ™

Shoe and Boot Covers

Protecting People, Products and Environments

AlphaProTech
INCORPORATED

Critical Cover®

Critical Cover® UltraGrip™ Shoe & Boot Covers

Ultimate in Slip and Fall Protection

Features and Benefits: Our high performance, anti-skid UltraGrip™ sole offers the ultimate in slip and fall protection on wet and dry floors. Our proprietary sole material is also extremely clean, durable and strong enough to withstand even the most abrasive floor surfaces.

The BarrierTech® material used for the upper portion of our UltraGrip shoe covers provides particle holdout and protection from fluids and light chemical splash. UltraGrip is suitable for use in a Controlled Environment.

For our boot covers, we utilize our proprietary Microbreathe™ material for the upper portion of the boot cover. Microbreathe is a soft, strong, and flexible material with a high vapor transmission rate for all day comfort. It also provides excellent barrier protection and particle holdout and is the preferred choice for Controlled Environments.
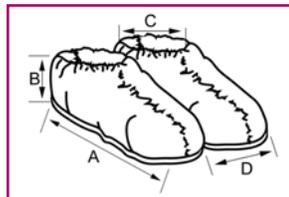
BarrierTech® Shoe Covers

BarrierTech® UltraGrip™ Shoe Covers

White	Size	Thread Colors
SH-E1315-BH	M	Yellow
SH-E1316-BH	L	Orange
SH-E1312-BH	Univ.	White
SH-E1313-BH	XL	Black

Blue	Size	Thread Colors
SH-M1315-BH	M	Yellow
SH-M1316-BH	L	Orange
SH-M1312-BH	Univ.	White
SH-M1313-BH	XL	Black

Anti-skid sole, serged seams
100 pair/case

Dimensions	Size	Length (A)	Height (B)	Top Relaxed (C)	Top Stretched (C)	Sole Width (D)
	M	11 ½"	5"	4"	8 ¾"	4 ¼"
	L	12 ¾"	5"	4 ¼"	9 ¼"	4 ½"
	Univ.	14 ⅛"	5"	4 ½"	11"	4 ½"
	XL	15"	5 ¾"	5"	11 ¾"	4 ¾"

Critical Cover®
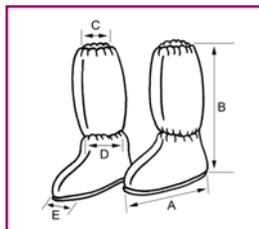
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Critical Cover® UltraGrip™ Shoe & Boot Covers

Microbreathe™ Boot Covers

Microbreathe™ UltraGrip™ High Top Boot Covers w/Elastic Ankle

White	Size	Thread Colors
BT-A1815-B	M	Yellow
BT-A1812-B	Univ	White
BT-A1813-B	XL	Black

Elastic top and ankle, anti-skid sole, serged seams
100 pair/case

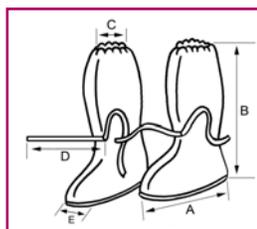| Dimensions							
Size	Length (A)	Height (B)	Top (Relaxed) (C)	Top (Stretched) (C)	Ankle (Relaxed) (D)	Ankle (Stretched) (D)	Sole Width (E)
M	11 ¼"	17"	5 ¼"	9"	6"	9 ¾"	4 ¼"
Univ	13 ½"	17 ½"	5 ¾"	9 ½"	6 ½"	11"	4 ½"
XL	15"	18"	6"	11 ½"	6 ¾"	12 ½"	4 ¾"

Microbreathe™ UltraGrip™ High Top Boot Covers w/Ankle Ties

White	Size	Thread Colors
BT-A1315-B	M	Yellow
BT-A1312-B	Univ	White
BT-A1313-B	XL	Black

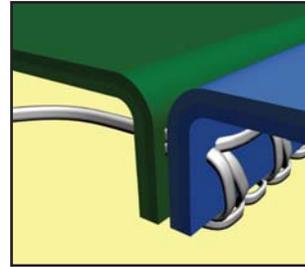Elastic top with ankle ties, anti-skid sole, serged seams
100 pair/case

Dimensions						
Size	Length (A)	Height (B)	Top (Relaxed) (C)	Top (Stretched) (C)	Tie Length (D)	Sole Width (E)
M	11 ¼"	18"	4 ½"	9"	17"	4 ¼"
Univ	14"	18 ½"	5 ¼"	9 ½"	17"	4 ½"
XL	15"	19"	5"	11 ½"	17"	4 ¾"

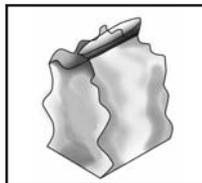# Critical Cover® UltraGrip™ Shoe & Boot Covers

Seam Construction

Serged Seams
This seam is produced when the threads are interlocked around the material edges for a strong stress-resistant seam.
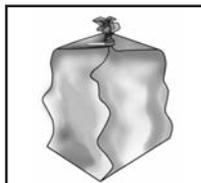

Packaging Perfection

Layered Packaging Design to Prevent Contamination from Entering Your Controlled Environment

- Packaged in a primary bag, carton liner and outer corrugated carton to prevent cross contamination and contamination migration from one environment to another

- All garments are precision folded and stacked within the primary bag to permit efficient storage with or without bins

- Primary bag placed in clear carton liner that is twisted and taped closed

- All open seams on shipping containers are tape-sealed for additional protection from possible contamination

- Four-sided carton labeling allows easy product identification and inventory management
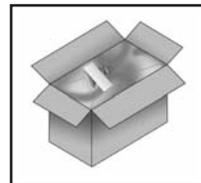

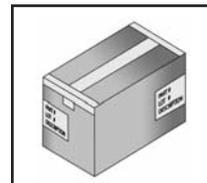| Primary Bag, Heat-sealed	Primary Bag, twisted & zip tied	Carton Liner	Open carton with taped down liner	Sealed carton with two corner labels
Shoe Covers	Boot Covers			

Critical Cover®

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Critical Cover® UltraGrip™ Shoe & Boot Covers

	Standard Applied	Test Standard	BarrierTech® (Upper)	Microbreathe™ (Upper)
Material Physical Properties	**Ball Burst Strength**	ASTM D3787	23.2 lbs	22.9 lbs
	Bacterial Filtration Efficiency	ASTM F2101	N/A	99.9%
	Coefficient of Fricton	ASTM D1894 Static Kinetic	UltraGrip™ Shoe Covers 3.117 3.208	UltraGrip™ Boot Covers 2.239 1.946
	Delta P	MIL-M-36954C	N/A	>102 mm H_2O/cm^2
	General Tensile	ASTM D5034 MD TD	24.50 lbs 18.79 lbs	44.2 lbs 22 lbs
	Helmke Drum	IEST-RP-CC003.3	Category I	Category II
	Mass/Unit Area	ASTM D3776	53.7 g/m^2	63.8 g/m^2
	Mullen Burst Strength	ASTM D3786	43 psi	81 psi
	Puncture Propagation Tear Resistance	ASTM D2582 MD TD	2.3 lbs 3.8 lbs	5.2 lbs 9.5 lbs
	Synthetic Blood Penetration	ASTM F1670	Pass	Pass
	Trapezoid Tearing Strength	ASTM D5587 MD TD	11.11 lbs 7.38lbs	13.5 lbs 6.3 lbs
	Water Resistance Impact Penetration	AATCC Method 42	None Seen	None Seen
	Water Vapor Transmission	ASTM E96	2.6387 gm/day-m^2	325. 57 gm/day-m^2

MD - Machine Direction   TD - Transverse Direction   NA - Not Applicable   NT- Not Tested

Test results provided by an independent third party testing laboratory.

Critical Cover® UltraGrip™ Shoe & Boot Covers

Chemical Name (Test Method Used: ASTM F903)	Pass/Fail	Time of Failure	Chemical Concentration
Bleach - Household	Pass	N/A	100%
Diesel Fuel	Pass	N/A	100%
Hydroflouric Acid	Pass	N/A	10%
Hydrogen Peroxide	Pass	N/A	30%
Isocyanate Spray Paint Hardener	Pass	N/A	100%
Isocyanate Spray Paint Reducer	Pass	N/A	100%
Muriatic Acid (HCl)	Pass	N/A	100%
Phosphoric Acid	Pass	N/A	85%
Round Up*	Pass	N/A	100%
Sodium Hydroxide	Pass	N/A	50%
Sulfuric Acid	Pass	N/A	100%
Toluene	Pass	N/A	100%
40 Weight Motor Oil	Pass	N/A	100%
Vesphene II SE*	Pass	N/A	100%
SporKlenz*	Pass	N/A	100%

Microbreathe™ Chemical Penetration Test

Test results provided by an independent third party testing laboratory.

Critical Cover® UltraGrip™ Shoe & Boot Covers

WARNING: These garments and associated materials are not suitable for use in some environments containing certain chemicals and/or hazardous agents. It is the responsibility of the user to determine the level of risk in a particular environment and the proper personal protection equipment needed. Garments manufactured from synthetic non-woven material may generate static electricity. Garments that contain an anti-stat treatment are not intended to be used as a safety feature. These garments are not recommended to be used in a flammable and/or explosive environment. If you have any questions, contact your distributor or Alpha Pro Tech for garment/fabric safety data. The use of this product is out of Alpha Pro Tech's control. Therefore, Alpha Pro Tech makes no warranties, expressed or implied, and assumes no liability as to the performance of these products for a particular use. **CAUTION: AVOID HEAT AND/OR OPEN FLAME.**

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Alpha Pro Tech is committed to protecting people, products, manufacturing and healthcare environments to optimize process effectiveness and customer profitability.

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Phone: 800-749-1363
Fax: 905-479-8703
E-mail: sales@alphaprotech.com

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Phone: 520-281-0127 Ext. 201
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