

EXOSKIN™-B1

HIGH TRACTION CBRN BOOTS

With an extensive knowledge of Military and First Responder CBRN requirements, Avon Protection's EXOSKIN™-B1 CBRN boots have been designed to meet the unique requirements of the modern warfighter and tactical operator.

Recognizing traditional CBRN overboots limit operational capability, Avon Protection's design has been optimized to improve mission flexibility without compromising on the protection.

PRODUCT HIGHLIGHTS

- Ruggedized straps
- Optimized tactical grip
- Maximum protection against CBRN and TIC
- Quick donning and doffing
- Proven rubber technology

SUPERIOR RUGGEDIZED DESIGN

Designed for most demanding of environments, Avon Protection's EXOSKIN™-B1 CBRN boots provide improved durability and agility in the field.

- Ruggedized quick release straps
- Tactical grip to improve manoeuvrability
- Integrates with protective suit ensembles including JSLIST and MkIVA
- Easy to decontaminate
- Quick donning and doffing



OPTIMUM FIT

- Ambidextrous

WEARER PROTECTION

- High protection against Chemical Warfare Agent (CWA) and Toxic Industrial Chemical (TIC)
- Impermeable to biological agents



FUNCTIONALITY

Slip resistance	
Forward Heel Slip ≥ 0.28	EN ISO 20345 (5.3.4)
Forward Flat Slip ≥ 0.32	EN ISO 20345 (5.3.4)
Sole abrasion resistance	
$\leq 350 \text{ mm}^3$ volume loss	EN ISO 20345 (5.8.3)

STORAGE

Recommended Storage Conditions
20°C +/- 5°C
Shelf Life
15 years when stored within recommendations
Storage Humidity range
0-100% RH





Sizes and Weights			
Size	UK	US	EC
S	Up to 5	Up to 6	Up to 38
M	5.5 – 8	6.5 – 9	38.5 – 43
L	8.5 – 11	9.5 – 12	43.5 – 46
XL	11.5 – 14	12.5 – 15	46.5 – 50

Performance Summary		
Property	Test Method and Performance	
CWA resistance (Chemical Warfare Agent) Tested against HD, GD, TGD & VX	TOP 8-2-501	< 2µg/cm ² for > 24 hours
TIC resistance (Toxic Industrial Chemical)	Protection against a wide range of TICs, details available on request.	
Biological resistance	Impermeable to biological warfare agents.	

Physical Properties		
Property	Test Method and Performance	
Hardness	ISO 48-4	58 nominal
Elongation at break	ISO 37	> 450%
Tear strength	ISO 34-1 (Method C)	> 40 N/mm
Tensile strength	ISO 37	> 10MPa
Cold resistance	ASTM D1053	Pass

Part Number	NSN	Nomenclature
606922	8430-99-671-8744	EXOSKIN-B1 High Traction CBRN Boots (Small)
606921	8430-99-915-9839	EXOSKIN-B1 High Traction CBRN Boots (Medium)
606920	8430-99-564-4108	EXOSKIN-B1 High Traction CBRN Boots (Large)
606919	8430-99-264-1710	EXOSKIN-B1 High Traction CBRN Boots (Extra Large)



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