

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	Weight (per boot)
M	5.5 – 8	6.5 – 9	38.5 – 43	497g
L	8.5 – 11	9.5 – 12	43.5 – 46	584g
XL	11.5 – 14	12.5 – 15	46.5 – 50	640g

Performance Summary

Property	Test Method and Performance
CWA resistance (Chemical Warfare Agent) Tested against HD, GB, 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
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
Cut resistance	EN ISO 20347 (6.2.7.3) -
Puncture resistance	ISO 13996 >20N

Size / Part Number (Pair)

M	606921	L	606920	XL	606919
---	--------	---	--------	----	--------

CE & UKCA Approval

Approval anticipated 2023

Data correct as of 1 May 2022. Copyright © 2022 Avon Protection. All rights reserved. GR04978-03

