



Isofield Horizon ESD Overboots

Anti-Static ESD Cleanroom Overboots
with Conductive ribbon

Last updated 19 Mar 2025

PRODUCT CODE	REF 70820	
	SIZE UNIVERSAL	

PRODUCT INFO

Non-marking conductive tape provides excellent dissipative properties
Conductivity of 10^5 - 10^6 ohms
Slip-resistant Soles
Non-sterile Cleanroom overboots
Low levels of particle shedding
Aseptically folded for added cleanliness

CLEANROOM COMPATIBILITY

ISO Class 5 cleanroom
Class 100 cleanroom

QUALITY ASSURANCE

Manufactured in a facility operating under ISO 9001:2015 quality management system
Processed in a NEBB certified ISO Class 5 cleanroom

APPLICATIONS

Medical device production and assembly
Cleanroom cleaning & preparation
Semiconductor & wafer fabrication
Electric vehicle (EV) & battery assembly
Environments requiring general static control

STORAGE & SHELF LIFE

Store in a dry, cool place (<40°C) away from direct sunlight
Do not expose open cartons to prolonged direct fluorescent light
Five (5) years from date of manufacture

PACKAGING

10 pairs per double bag
8 sealed outer cleanroom bags
80 pairs per carton (160 pieces)

MATERIAL PERFORMANCE PARAMETERS

DESCRIPTION	UNITS	METHOD	SPECIFICATION	TYPICAL
Basic Weight	g/m ²	ISO 9073-1-1989	±2	60
Machine Direction Strength	N/5cm		≥50	69
Machine Direction Elongation	%		≥100	109
Cross Direction Strength	N/5cm		≥25	43
Cross Direction Elongation	%		≥100	111
Hydrostatic Head	mmH ₂ O	ISO 811-1981	≥100	213
Air Permeability	l/m ² /S	GB/T5453	≥	2000
Surface Resistivity	Ω	ISO 9073-1-1989	/	10 ⁷
Slip Resistance	Coefficient of Friction (COF)	ASTM D1894	≥0.5	0.6 (Static) 0.5 (Dynamic)

ADDITIONAL INFO

Tear strength	1.6kg (min)
Surface resistance	10 ⁵ -10 ⁶ ohms

HELMKE DRUM TEST RESULT

PARTICLE SIZE	CUMULATIVE RELEASE RATE (COUNTS/MIN)	SPECIFICATION	TYPICAL
≥ 0.3µm	547	less than 2000	<400
≥ 0.5µm	222	less than 1200	<1000



ASTM F739-20 TEST METHOD

CHEMOTHERAPY DRUGS TESTED

MEAN BREAKTHROUGH TIME (MBT), MINUTES BREAKTHROUGH OF THE TEST CHEMICAL IS DEEMED TO HAVE OCCURRED WHEN THE PERMEATION RATE HAS REACHED 0.11 $\mu\text{G}/\text{CM}^2/\text{MIN}$ *

Carmustine	30 mins
Cisplatin	> 480 mins
Cyclophosphamide	> 480 mins
Doxorubicin HCl	> 480 mins
Etoposide	> 480 mins
Fluorouracil	> 480 mins
Methotrexate	> 480 mins
Paclitaxel	> 480 mins
Thiotepa	60 mins

*Results achieved under controlled laboratory conditions, by accredited ISO 17025 third party testing laboratory

DONNING INSTRUCTIONS



1 Prepare to Cuff leg by grasping elasticated opening



2 Carefully fold coverall leg upwards to position approx. 10cm from knee



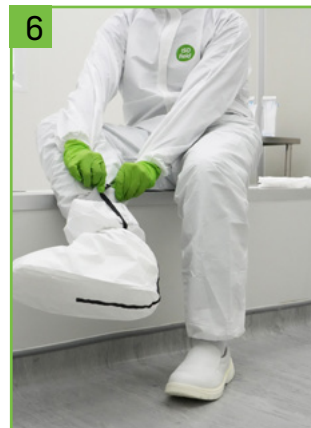
3 Take Horizon ESD Overboot and unfold



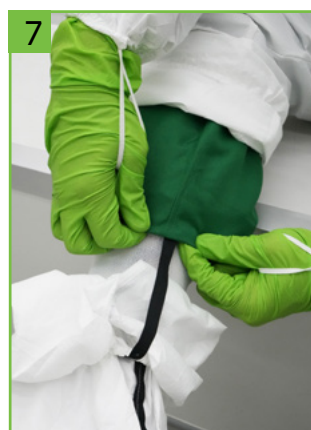
4 Don Overboot carefully, leaving top half of boot un-cuffed



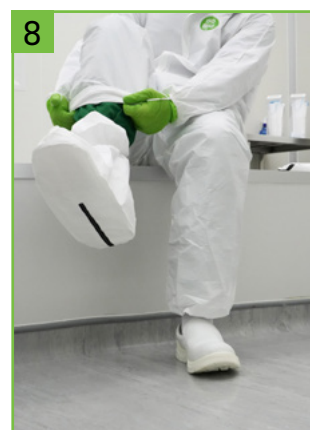
5 Take ESD Ribbon from inside the Overboot...



6 ... and tuck firmly into Cleanroom sock



7 Ensure that there is direct contact between ESD ribbon and skin



8 Carefully uncuff coverall to ankle position



9 Carefully uncuff Overboot to knee height



10

LOADING

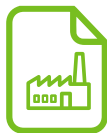
	EURO-PALLET	STANDARD PALLET
Pallet size	W80 L120cm	W100 L120cm
Gross weight	7.0kg	7.0kg
Carton size	W43 L28 H31cm	W43 L28 H31cm
Nett weight	6.0kg	6.0kg
Air freight pallet	Max height: 139cm Layers: 4 Cartons: 24	Max height: 139cm Layers: 4 Cartons: 32
Sea freight pallet	Max height: 170cm Layers: 5 Cartons: 30	Max height: 170cm Layers: 5 Cartons: 40

DOCUMENTATION



CERTIFICATE OF CONFORMANCE (COC)
CERTIFICATE OF ANALYSIS (COA)

Please [email us](#)



FACTORY RELATED CERTIFICATIONS
To request ISO9001 Certificate,
please [email us](#)



Country of origin: **China**
HS Code: 6210109000

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