DUNLOP
PROTECTIVE FOOTWEAR

CHEMICAL SAFETY & COMFORT SOLUTIONS

DUNLOP | MAKE EVERY STEP COUNT

OUR RANGE OF CHEMICAL BOOTS TO SERVE YOU

"I have used Dunlop boots for many years in the oil and gas industry in various climates throughout the world and I can say they are really comfortable to work in all weathers."

UNITED KINGDOM

BRYAN A.

DUNLOP PROTECTIVE FOOTWEAR

FROM GOOD TO BETTER AND BEST

DUNLOP® ACIFORT® HAZGUARD®

EN ISO 20345:2011
S5 SRA AN

EN 13832-3:2018
J-K-O-P-Q-R
AND L (50% CONC.)

ESD: EN 61340-4-3, CL 2

DUNLOP® ACIFORT® JOBGUARD

EN ISO 20345:2011
S5 SRC AN

ESD: EN 61340-4-3, CL 2

DUNLOP FITS **FOR PURPOSE**

FOR TWO MAIN CUSTOMER TYPES

"These boots have helped me get the job done for generations"

CLASSIC FIT

EASY ON & OFF

- Easy on and off boots let you hop in and hop out
- Generous fit for all leg sizes
- Ample space from ankle to toe

SERIES

DUNLOP ACIFORT HAZGUARD

Classic fit boots have generous fit that some people size down vs. their regular sneaker or shoe size. Every fit is different so make sure to try before you buy.

Dunlop has two different fits for the different needs of our customers. The innovative Sneaker Fit locks in your foot and ankle and reduces walking weight, while the Classic Fit allows for easy movement, reducing cuts and tears with its flexibility.

"Why shouldn't my work boots be as comfortable as my sneakers?"

SNEAKER FIT

ELIMINATES HEEL SLIPPAGE

- Fits true to size like a sneaker
- Eliminates heel slippage to help reduce slips, trips and falls
- Flexible upper and midfoot area fitted to lock in the foot in every step

SERIES

DUNLOP JOBGUARD

Our newly launched products have a tighter fit. Buy true to size. In between sizes? We recommend you to size up.

DUNLOP ACIFORT®

JOBGUARD FULL SAFETY ESD

Heavy Duty Protection For Every Job

Reinforced PVC for improved chemical resistance flexibility and product lifespan

ESD certified to protect against electrostatic discharge (EN 61340-4-3, class2)

Protective toecap & midsole (steel)

ARTICLE : NAEJF01
CERTIFICATION : EN ISO 20345:2011 S5 SRC AN / ESD EN 61340-4-3, CL 2
SIZE : EU 37-49

DUNLOP PROTECTIVE FOOTWEAR

Dunlop® Acifort® HazGuard® full safety

A442AB1

ARTICLE	**A442AB1 | Dunlop® Acifort® HazGuard® full safety**
DESCRIPTION	**Certified chemical resistance and worker protection**
STANDARD	EN 13832-3:2018 200J AN J K O P Q R EN ISO 20345:2011 S5 SRA AN
SIZE RANGE	EU 39-48, 49/50
PROPERTIES	· Certified chemical resistance EN 13832-3:2018 200J AN J K O P Q R
	· Nitrile & polymer enhanced PVC compound for professional chemical protection
	· Self-cleaning SRA++ rated slip resistant outsole
	· Protective toecap & midsole (steel)

Dunlop® Acifort® HazGuard® full safety ESD

A442AB1.ESD

ARTICLE	**A442AB1.ESD | Dunlop® Acifort® HazGuard® full safety ESD**
DESCRIPTION	**Certified chemical resistance and worker protection**
STANDARD	EN 13832-3:2018 200J AN J K O P Q R EN ISO 20345:2011 S5 SRA AN ESD EN 61340-4-3, cl 2
SIZE RANGE	EU 39-48, 49/50
PROPERTIES	· Certified chemical resistance EN 13832-3:2018 200J AN J K O P Q R
	· Nitrile & polymer enhanced PVC compound for professional chemical protection
	· Self-cleaning SRA++ rated slip resistant outsole
	· Protective toecap & midsole (steel)
	· ESD certified to protect against electrostatic discharge (EN 61340-4-3, class2)

Dunlop® JobGUARD

NA2JF01

ARTICLE	**NA2JF01 | Dunlop® JobGUARD**
DESCRIPTION	**Heavy Duty Protection For Every Job**
STANDARD	EN ISO 20345:2011 S5 SRC AN
SIZE RANGE	EU 39-48, 49/50
PROPERTIES	· Reinforced PVC for improved chemical resistance flexibility and product lifespan
	· Revolutionary Sneaker Fit last and comfort insole for superior comfort and support
	· SRC Rated outsole for anti-slip protection on any terrain
	· Protective toecap and midsole (steel)

Dunlop® Acifort® JobGUARD full safety ESD

NAEJF01

ARTICLE	**NAEJF01 | Dunlop® Acifort® JobGUARD full safety ESD**
DESCRIPTION	**Heavy Duty Protection For Every Job**
STANDARD	EN ISO 20345:2011 S5 SRC AN
SIZE RANGE	EU 37-49 | UK 04-14
PROPERTIES	· Reinforced PVC for improved chemical resistance flexibility and product lifespan
	· Revolutionary Sneaker Fit last and comfort insole for superior comfort and support
	· SRC Rated outsole for anti-slip protection on any terrain
	· Protective toecap and midsole (steel)
	· ESD certified to protect against electrostatic discharge (EN 61340-4-3, class 2)

DUNLOP ACIFORT®

HAZGUARD® FULL SAFETY ESD

Certified chemical resistance and worker protection

Reinforced PVC for improved chemical resistance flexibility and product lifespan

ESD certified to protect against electrostatic discharge (EN 61340-4-3, class2)

Protective toecap & midsole (steel)

ARTICLE : **A442AB1**
STANDARD : **EN 13832-3:2018 J K O P Q R / EN ISO 20345:2011 S5 SRA AN ESD EN 61340-4-3, CL 2**
SIZE RANGE : **EU 39-48, 49/50**

DUNLOP PROTECTIVE FOOTWEAR

THE DUNLOP® ACIFORT® HAZGUARD® BOOTS

The Dunlop® Acifort® HazGuard® boots are tested in accordance to the standard EN 13832-3:2018 Footwear protecting against chemicals - Part 3: Requirements for prolonged contact with chemicals. This standard specifies requirements for footwear designed to provide a high level of resistance to specific chemicals.

CHEMICAL	CAS NO.	MEASURED BREAKTHROUGH TIME	LEVEL	NOTES
Acetic acid 99%	64-19-7	1010 min	Level 3	Test method EN 13832-3:2018
Acetone	67-64-1	127 min	Level 1	Test method EN 13832-3:2018
Ammonia sol. (25 ± 1)%	1336-21-6	>1921 min	Level 5	Test method EN 13832-3:2018, Letter O
Dichloromethane	75-09-2	70 min		Test method EN 13832-3:2018
Diethylamine	109-89-7	149 min	Level 1	Test method EN 13832-3:2018
Ethyl Acetate	141-78-6	152 min	Level 1	Test method EN 13832-3:2018
Hydrofluoric acid liquid (70%)	7664-39-3	480 min	Level 2	Test method EN 13832-3:2018. Maximum test duration 8 hrs due to extreme hazard of the chemical being tested.
Hydrogen fluoride (gas, >95%)	7664-39-3	32 min		Test method EN 13832-3:2018
Hydrogen peroxide (30 ± 1)%	124-43-6	>1921 min	Level 5	Pass method EN 13832-3:2018, Letter P
Hydrogen peroxide 50%	7722-84-1	>1921 min	Level 5	Test method EN 13832-3:2018
Isopropanol	67-63-0	>1921 min	Level 5	Pass method EN 13832-3:2018, Letter Q
n-Heptane	142-85-5	480 min	Level 3	Pass method EN 13832-3:2018, Letter J
Nitric acid 65%	7697-37-2	>1921 min	Level 5	Test method EN 13832-3:2018
Sodium Bisulphite 20%	7631-90-5	>1921 min	Level 5	Test method EN 13832-3:2018
Sodium hydroxide sol. 30%	1310-73-2	>1921 min	Level 5	Pass method EN 13832-3:2018, Letter K
Sodium hydroxide sol. 40%	1310-73-2	>1921 min	Level 5	Pass method EN 13832-3:2018
Sodium hypochlorite (13 ± 1)%	7681-52-9	>1921 min	Level 5	Pass method EN 13832-3:2018, Letter R
Sulphuric acid 50% d = 1.84	7664-93-9	>1921 min	Level 5	Test method EN 13832-3:2018
Sulphuric acid 96%	7664-93-9	>1921 min	Level 5	Test method EN 13832-3:2018
Tetrahydrofuran	109-99-9	176 min	Level 1	Test method EN 13832-3:2018
Toluene 65%	108-88-3	213 min	Level 1	Test method EN 13832-3:2018

Available data regarding to the standard EN 943-1 (Standard for Protective clothing against liquid and gaseous chemicals, including liquid aerosols and solid aerosols).

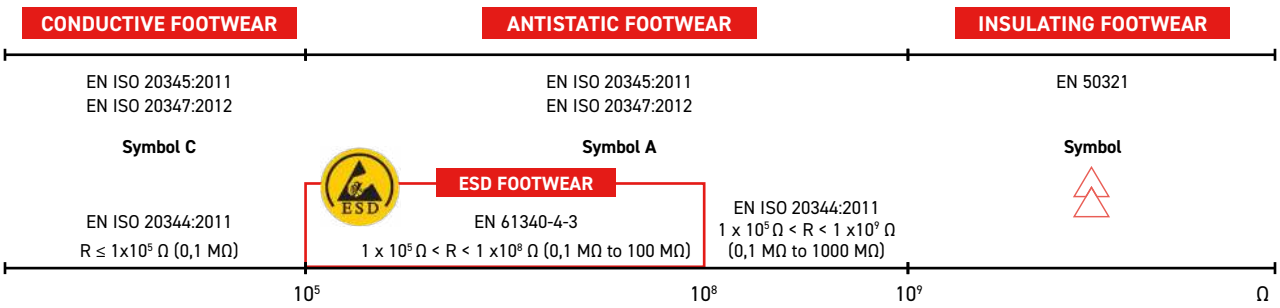
13832-3:2018 standard specifies requirements for all-rubber and all-polymeric footwear designed to provide a high level of resistance to specific chemicals. This footwear resists both degradation (by at least 3 chemicals in the list provided by this standard) and permeation (i.e., providing at least Level 1 resistance against 3 of the chemicals listed by this standard).
Part 3 of EN 13832 describes the situations where the wearer is advised to select high-resistance footwear (e.g., when working with especially aggressive chemicals) and also requires that tests be conducted on footwear's resistance to chemical permeation and chemical degradation resistance and includes 5 Performance levels: Level 1 - 121 to 240 minutes; Level 2 - 241 to 480 minutes; Level 3 - 481 to 1440 minutes; Level 4 - 1441 to 1920 minutes; Level 5 - >1921 minutes.
The tests are assessed under laboratory conditions and relates only to the chemicals given. The wearer should be aware that in case of contact with other chemicals or with physical stresses (high temperature, abrasion for example), the protection given by the footwear may be adversely affected and necessary precautions should be taken.

REFERENCE	CHEMICAL	CAS NO.	CLASS EN 943-1
J	n-Heptane	142-85-5	4
K	Sodium Hydroxide 40%	1310-73-2	6
L	Sulfuric Acid 96%	7664-93-9	6
O	Ammonia	1336-21-6	6
Cl	Chloride	16887-00-6	6
HCl	Hydrogen Chloride	7647-01-0	6

Class 1: >10min; Class 2: >30min ; Class 3: >1h; Class 4: >2h; Class 5: >4h; Class 6: >8h

DUNLOP® ESD BOOTS

ESD is the acronym for Electrostatic discharge. Discharge of static electricity is a physical phenomenon that we can experience every day. If a charged object comes near an object with a difference in electric potential, an electrostatic discharge will take place. In ordinary circumstances, static electricity and ESD are little more than an annoyance. However, in an increasingly technological age, the familiar static shock we receive when walking across a carpet can be costly or dangerous. This electrostatic discharge can ignite flammable mixtures or damage electronic components. Dunlop® ESD boots are designed to allow diverting of static electrical current hence avoiding sparks.



CHEMICAL RESISTANCE CHART

		PVC			ACIFORT		PUROFORT	CHEMICAL RANGE	
		1. PVC Consumer & Basic	2. PPE	3. PVC Food	4. PPE / Agri	5. Acifort Food	6. Purofort Upper & Sole	7. Heavy Duty	8. HazGuard
		162xx 380xx 386VP 388VP 553x0 814x B350611 K1xxxxx K2xxxxx K3xxxxx K4xxxxx K5xxxxx K6xxxxx W486711	H14xxxx H812511 NB2xxxx	380BV A571411 B370411 NB1JB01	B440631.AFHA B550631 MZ2LExx NA0XXXX NA2XXXX	A181331 A781331 B180331 B780331	C662xxx C762xxx CA61xxx CC22A33 CC22A33.CH D760933 DA60131 E652xxx E662xxx E762xxx E902033 EA51xxx EA61231 EC02A33 G762041 GA61xxx J760041 JA60xxx LJ2xxxx LJ0XXXX LPXXXX C462XXX D460933 LS0HX01	NA2JF01	A442AB1 A442AB1.ESD
	+++ = excellent ++ = good + = fair - = not recommended								
INORGANIC ACIDS	sulphuric acid (< 10%)	+++	+++	+++	+++	+++	-	+++	+++
	sulphuric acid (con.)	-	-	-	-	-	-	-	+
	hydrochloric acid (< 10%)	+++	+++	+++	+++	+++	-	+++	+++
	hydrochloric acid (con.)	++	++	++	++	++	-	++	++
	nitric acid (< 5%)	++	++	++	++	++	+	++	++
	nitric acid (5-25%)	+	+	+	+	+	-	+	++
	nitric acid (25- 50%)	-	-	-	-	-	-	-	+
	phosphoric acid (< 50%)	++	++	++	++	++	-	++	++
	hydrofluoric acid (< 30%)	++	++	++	++	++	-	++	++
	chromium acid (sol.)	+	+	+	+	+	-	+	+
ORGANIC ACIDS	acetic acid (< 10%)	+++	+++	+++	+++	+++	+	+++	+++
	butyric acid (< 20%)	++	++	++	++	++	+	++	++
	butyric acid (con.)	+	+	+	+	++	+	+	++
	citric acid (sol.)	+++	+++	+++	+++	+++	+	+++	+++
	lactic acid (< 10%)	++	++	++	++	++	+	++	++
	formic acid (< 10%)	++	++	++	++	++	-	++	++
	oxalic acid	++	++	++	++	++	-	++	++
BASES	ammonia (< 5%)	+++	+++	+++	+++	+++	++	+++	+++
	ammonia (con.)	++	++	++	++	++	+	++	++
	barium hydroxide (sol.)	++	++	++	++	++	-	++	+++
	calcium hydroxide	++	++	++	++	++	+	++	+++
	magnesium hydroxide (sol.)	++	++	++	++	++	-	++	+++
	caustic soda (< 50%)	++	++	++	++	++	+	++	+++
SALT (IN SOLUTION)	aluminium acetate	+++	+++	+++	+++	+++	++	+++	+++
	aluminium chloride	+++	+++	+++	+++	+++	+	+++	+++
	ammonium hydrogen carb.	+++	+++	+++	+++	+++	+	+++	+++
	ammonium chloride	+++	+++	+++	+++	+++	+	+++	+++
	ammonium sulphide	+++	+++	+++	+++	+++	++	+++	+++
	antimony trichloride	++	++	++	++	++	+	++	++
	barium chloride	+++	+++	+++	+++	+++	++	+++	+++
	potassium carbonate	+++	+++	+++	+++	++	-	+++	++
	potassium chlorate	++	++	++	++	++	+	++	++
	potassium nitrate	+++	+++	+++	+++	+++	+	+++	+++
	potassium permanganate	++	++	++	++	++	+	++	++
	lead acetate	+++	+++	+++	+++	+++	++	+++	+++
	lead nitrate	+++	+++	+++	+++	+++	+	+++	+++
	magnesium carbonate	+++	+++	+++	+++	+++	+	+++	+++
	magnesium chloride	+++	+++	+++	+++	+++	++	+++	+++
	mercuriumchloride	-	-	-	-	-	+	-	-
	sodium acetate	+++	+++	+++	+++	++	-	+++	++
	sodium chlorate	++	++	++	++	++	+	++	++
	sodium chloride	+++	+++	+++	+++	+++	+++	+++	+++
	sodium fluoride	+++	+++	+++	+++	+++	+++	+++	+++
	sodium hypochlorite	++	++	++	++	++	-	++	+++
	nickel sulphate	+++	+++	+++	+++	+++	+	+++	+++
	stannic chloride	++	++	++	++	++	+	++	++

		PVC			ACIFORT		PUROFORT	CHEMICAL RANGE	
		1.	2.	3.	4.	5.	6.	7.	8.
AMINES	silver nitrate	+++	+++	+++	+++	+++	+	+++	+++
	zinc chloride	+++	+++	+++	+++	+++	+	+++	+++
	zinc sulphide	+++	+++	+++	+++	+++	++	+++	+++
	tri-ethanol amine (TEA)	++	++	++	++	++	+	++	++
	di-ethylamine	-	-	-	-	+	+	-	+
ESTERS / ETHERS	amylacetate	-	-	-	-	-	+	-	-
	ethyl acetate	-	-	-	-	-	-	-	-
	ethyl formate	-	-	-	-	-	+	-	-
	methyl formate	-	-	-	-	-	+	-	-
	dibenzyl ether	-	-	-	-	-	+	-	-
	tetrahydrofuran	-	-	-	-	-	+	-	-
MINERAL OILS AND FATS	engine oil	-	+	++	++	+++	+++	++	+++
	cutting oil	-	+	++	++	+++	+++	++	+++
	mineral oil	-	+	++	++	+++	+++	++	+++
	boarding oil	-	+	++	++	+++	+++	++	+++
VEGETABLE AND ANIMAL OILS AND FATS	margarine	-	+	++	+	+++	+++	+	+++
	mayonnaise	-	+	++	+	+++	+++	+	+++
	milk	-	+	++	+	+++	+++	+	+++
	butter	-	+	++	+	+++	+++	+	+++
	pine oil	-	+	++	+	+++	+++	+	+++
	soyabean oil	-	+	++	+	+++	+++	+	+++
	coconut oil	-	+	++	+	+++	+++	+	+++
	fish oil	-	+	++	+	+++	+++	+	+++
	beef suet	-	+	++	+	+++	+++	+	+++
	higher alcohols	-	+	++	+	++	+++	+	++
	higher fatty acids	-	+	++	+	+++	+++	+	+++
HYDROCARBONS	xylene	-	+	+	+	++	++	+	++
	gasoline	-	+	++	++	++	++	++	++
	cyclohexane	-	-	+	-	++	+++	-	++
	kerosene	-	+	++	++	++	+++	++	++
	naphtha	-	+	+	+	++	+++	+	++
	petroleum	-	+	++	++	++	+++	++	++
	refined petrol	-	+	++	++	++	+++	++	++
	toluene	-	-	-	-	-	+	-	+
	n-heptane	-	-	+	+	+	++	+	+++
ALCOHOLS	butyl alcohol (butanol)	-	-	+	-	+	+++	-	+
	1-hexanol	+	+	+	+	++	+++	+	++
	isopropanol	+	+	++	+	++	+++	+	+++
	ethanol	+	+	+	+	++	+++	+	++
	methanol	+	+	+	+	++	+++	+	++
	1-octanol	-	+	+	+	++	+++	+	++
	diethylene glycol (DEG)	++	++	++	++	++	+++	++	++
	glycerine	++	++	++	++	++	+++	++	++
CHLORINATED HYDROCARBONS	methylene chloride	-	-	-	-	+	+	-	+
	trichloroethylene	-	-	-	-	++	+	-	++
	tetrachloroethylene	-	-	-	-	++	+	-	++
ALDE-HYDES	acetaldehyde	-	-	-	-	-	-	-	-
	benzaldehyde	-	-	-	-	-	-	-	-
	formaldehyde	-	-	-	-	++	++	-	++
KETONES	acetone	-	-	-	-	-	+	-	-
	cyclohexanone	-	-	-	-	-	-	-	-
	methylethylketone (MEK)	-	-	-	-	-	+	-	-
MISCELLANEOUS	cement / concrete	+	+	++	++	++	-	++	++
	detergents	++	++	++	++	+++	++	++	+++
	sugar solution	+++	+++	+++	+++	+++	+++	+++	+++
	paint remover	-	-	-	-	+	-	-	+
	hydrogen peroxide (30% vol)	+	++	++	++	++	+	++	+++

The information in this chart has been compiled from results of in house tests and information supplied by other reputable sources and is to be used ONLY as a guide in selecting equipment for appropriate chemical compatibility. In case of doubt it is advised to test the equipment with the chemicals and under the specific conditions of a specific application before permanent installation. Materials for these tests can be supplied on request. Ratings of chemical behaviour listed in this table apply to a restricted exposure periods at room temperature. Dunlop® Protective Footwear has no knowledge of possible effects beyond this period. Dunlop® Protective Footwear does not warrant (neither express nor implied) that the information in this chart is accurate or complete or that any material is suitable for any purpose.Variations in chemical behaviour during handling due to factors such as temperature, pressure, and concentration can cause equipment to fail, even though it passed an initial test. Use suitable guards and/or personal protection when handling chemicals.

MISSION

EMPOWER THE MAKERS AND DOERS OF THE WORLD TO GET THE JOB DONE SAFELY.

THE DUNLOP DIFFERENCE

Sustainability Promise

We are in the top 5% of sustainable companies globally.

History of Innovation

Dunlop has been reinventing the work boot for over 130 years.

Materials Matter

Our proprietary Purofort, Acifort, and PVC materials ensure our customers get exactly what they need to get the job done.

Long-Term Value

Dunlop boots outlast and outperform the competition.

Fits For Purpose

The Classic Fit and Sneaker Fit of our boots ensure that every maker and doer of the world has the perfect fit.

STF Center

Dunlop's STF Center is relentlessly pursuing the eradication of slips, trips, and falls.

STEPPING UP TO DO WHAT'S RIGHT

KG CO2e reduction/pair
6% versus 2019 base year

Received EcoVadis Gold
Rating 3 years in a row

Recycled content products
and Bio-Based content
products

All manufacturing sites
powered by 100%
renewable energy

13,000 pairs of boots
donated to people in need

Insoles 85%
recycled content

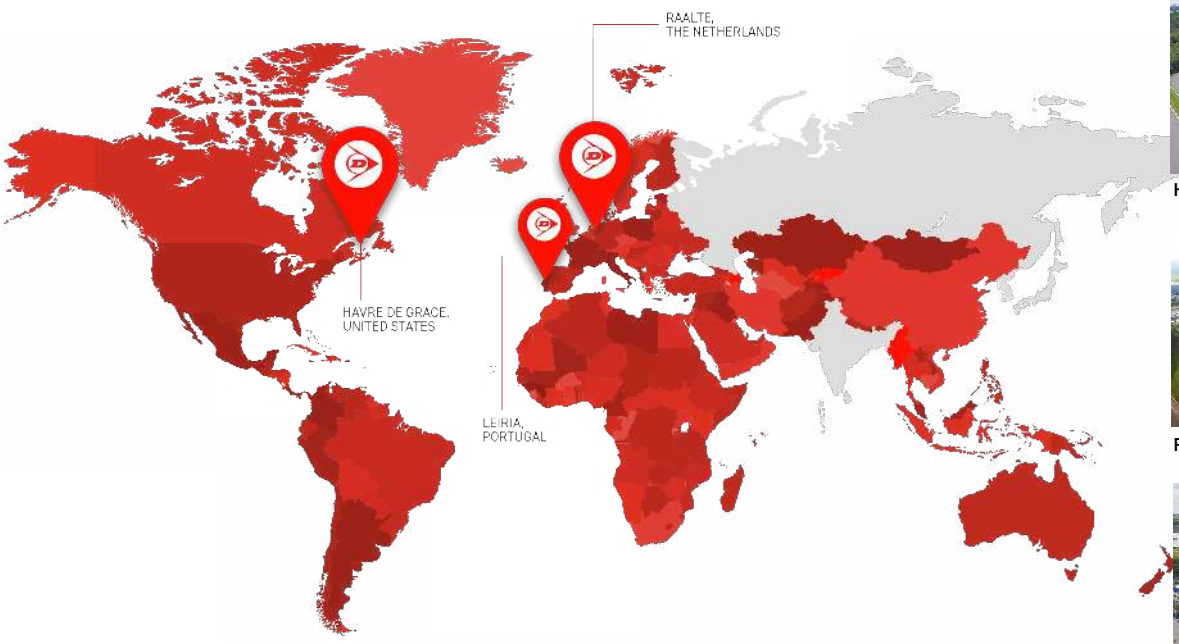
65 Tons
recycled PVC

11,140 total training hours
Average 29 hours per
employee

Switching packaging
from virgin and/or fossil
to recycled and/or
renewable

DUNLOP PROTECTIVE FOOTWEAR

EMPOWER END-USERS AROUND THE WORLD




Havre De Grace, United States


Raalte, The Netherlands


Leiria, Portugal

REACH COMPLIANT

ALL DUNLOP® BOOTS ARE PRODUCED ACCORDING TO THE LATEST REACH REGULATION AND DO NOT CONTAIN ANY RESTRICTED SUBSTANCES

S4 S4-CERTIFIED	SR SLIP RESISTANT OUTSOLE	WATERPROOF	CLASSIC FIT
S5 S5-CERTIFIED	SRC SLIP RESISTANT OUTSOLE	COLD INSULATION	SNEAKER FIT
SB SB-CERTIFIED	SRA SLIP RESISTANT OUTSOLE	OIL RESISTANT OUTSOLE	ANKLE PROTECTION
O4 O4-CERTIFIED	PROTECTIVE TOECAP &MIDSOLE	CHEMICAL RESISTANT	METATARSAL PROTECTION
O5 O5-CERTIFIED	PROTECTIVE TOECAP	ENERGY ABSORBING	HEAT RESISTANT
OB OB-CERTIFIED	LIGHTWEIGHT	ANTISTATIC	CUT RESISTANT
S5L S5L METALFREE	LADDERGRIP	METALFREE	HIGH VOLTAGE
S5S S5S METALFREE	-60°C -76°F THERMAL -60°	ESD ESD	CE CE-CERTIFIED

CONTACT

Dunlop® Protective Footwear
Boeierstraat 12
NL-8102 HS Raalte
The Netherlands
T +031 088-200-4900
E info@dunlopboots.com

GOLD | Top 5% ecovadis Sustainability Rating MAR 2024

CONTACT US
dunlopboots.com

Dunlop® Protective Footwear works closely with:

SATRA TECHNOLOGY, CSA, ASTM, TÜVRheinland, NEN STANDARDS COMMITTEE MEMBER

Tested & Certified by:

TÜVRheinland, INESCOP CENTRO TECNOLÓGICO DEL CALZADO, APICCAPS, ctcp centro tecnológico do calçado de portugal, PRECISION, SATRA TECHNOLOGY