

DUNLOP® PROTECTIVE FOOTWEAR - RESISTANCE LIST	PVC		ACIFORT		PUROFORT		CHEMICAL RANGE			SNUGBOOT	
	1. PVC Consumer & Basic	2. PPE	3. PVC Food	4. PPE / Agri	5. Acifort Food	6. Purofort Upper & Sole	7. Cleaning Boots	8. Heavy Duty	9. HazGuard	10. HazGuard Ultra	11. Snugboot
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.	162xx 380PP 380VC 380VP 386VP 388VP 553x0 814x B350611 K1xxxx K2xxxx K3xxxx K4xxxx K5xxxx K6xxxx W481211 W486711 W681211	142xx H142xxx H171311 H242711 H812511 V442011	171BV 380BV A571411 B370411	A252931 A442x3x A452031.NA B440x31 B550631 H242711.CH H242711.FL K240031.AR W486033 MZ2LE02	A181331 A781331 B180331 B780331	C462xxx C662xxx C762xxx C922033 CA61xxx CC22933 CC22A33 CC22A33.CH D460xxx D760xxx DA60131 E262673 E462xxx E652xxx E662xxx E762xxx E902033 EA51xxx EC02A33 F260673 G462xxx G762xxx GA61xxx J460933 J760933 JA60xxx LJ2JK01 LJ2JF01 LJ2HR48 LJ2HR42 LJ2HD01 EG62E31.FR FG60E33 EG62E33 FH6AF33 EH62F33	CB71431 CB71C31	A4422B1 A4422B1.ESD	A442AB1 A442AB1.ESD	87012.EU	Pioneer Wildlander WorkPro
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.											
+++ = excellent ++ = good + = fair - = not recommended	+++ = uitstekend ++ = goed + = voldoende - = niet aanbevolen	+++ = sehr gut ++ = gut + = zufriedenstellend - = nicht empfehlenswert	+++ = excellent ++ = bon + = satisfaisant - = insuffisant								
<b>INORGANIC ACIDS</b>	<b>ANORGANISCHE ZUREN</b>	<b>ANORGANISCHE SÄUREN</b>	<b>ACIDES MINÉRAUX</b>								
sulphuric acid (< 10%)	zwavelzuur (< 10%)	Schwefelsäure (< 10%)	acide sulfurique (< 10%)	+++	+++	+++	+++	-	+	+++	+++
sulphuric acid (con.)	zwavelzuur (gec.)	Schwefelsäure (Kon.)	acide sulfurique (con.)	-	-	-	-	-	-	-	-
hydrochloric acid (< 10%)	zoutzuur (< 10%)	Salzsäure (< 10%)	acide chlorhydrique (< 10%)	+++	+++	+++	+++	-	++	+++	+++
hydrochloric acid (con.)	zoutzuur (gec.)	Salzsäure (Kon.)	acide chlorhydrique (con.)	++	++	++	++	-	+	++	++
nitric acid (< 5%)	salpeterzuur (< 5%)	Salpetersäure (< 5%)	acide nitrique (< 5%)	++	++	++	++	+	++	++	++
nitric acid (5-25%)	salpeterzuur (5-25%)	Salpetersäure (5-25%)	acide nitrique (5-25%)	+	+	+	+	-	+	+	+
nitric acid (25- 50%)	salpeterzuur (25- 50%)	Salpetersäure (25- 50%)	acide nitrique (25- 50%)	-	-	-	-	-	-	-	-
phosphoric acid (< 50%)	fosforzuur (< 50%)	Phosphoresäure (< 50%)	acide phosphorique (< 50%)	++	++	++	++	-	-	++	++
hydrofluoric acid (< 30%)	fluorwaterstofzuur (< 30%)	Fluorwasserstoffsäure (< 30%)	acide fluorhydrique (< 30%)	++	++	++	++	-	-	++	++
chromium acid (sol.)	chromiumzuur (opl.)	Chromsäure (Lös.)	acide chrome (sol.)	+	+	+	+	-	-	+	+
<b>ORGANIC ACIDS</b>	<b>ORGANISCHE ZUREN</b>	<b>ORGANISCHE SÄUREN</b>	<b>ACIDES ORGANIQUES</b>								
acetic acid (< 10%)	azijnzuur (< 10%)	Essigsäure (< 10%)	acide acétique (< 10%)	+++	+++	+++	+++	+	++	+++	+++
butyric acid (< 20%)	boterzuur (< 20%)	Buttersäure (< 20%)	acide butyrique (< 20%)	++	++	++	++	+	++	++	++
butyric acid (con.)	boterzuur (gec.)	Buttersäure (Kon.)	acide butyrique (con.)	+	+	+	+	+	+	+	+
citric acid (sol.)	citroenzuur (opl.)	Zitronensäure (Lös.)	acide butyrique (sol.)	+++	+++	+++	+++	+	++	+++	+++
lactic acid (< 10%)	melkzuur (< 10%)	Milchsäure (< 10%)	acide lactique (< 10%)	++	++	++	++	+	++	++	++
formic acid (< 10%)	mierenzuur (< 10%)	Ameisensäure (< 10%)	acide formique (< 10%)	++	++	++	++	-	-	++	++
oxalic acid	oxaalzuur	Oxalsäure	acide oxalique	++	++	++	++	-	+	++	++
<b>BASES</b>	<b>BASEN</b>	<b>BASEN</b>	<b>BASES</b>								
ammonia (< 5%)	ammonia (< 5%)	Ammoniak (< 5%)	Ammoniac (< 5%)	+++	+++	+++	+++	++	++	+++	+++
ammonia (con.)	ammonia (gec.)	Ammoniak (Kon.)	Ammoniac (con.)	++	++	++	++	+	++	++	++
barium hydroxide (sol.)	bariumhydroxide (opl.)	Bariumhydroxid (Lös.)	hydrate de baryum (sol.)	++	++	++	++	-	++	++	++
calcium hydroxide	calciumhydroxide	Calciumhydroxid	hydrate de calcium	++	++	++	++	+	++	++	++
magnesium hydroxide (sol.)	magn. hydroxide (opl.)	Magnesiumhydroxid (Lös.)	hydrate de magnésium (sol.)	++	++	++	++	-	++	++	++
caustic soda (< 50%)	natronloog (< 50%)	Atznatron (< 50%)	soude caustique (< 50%)	++	++	++	++	+	++	++	++
<b>SALT (IN SOLUTION)</b>	<b>ZOUTEN (IN OPLOSSING)</b>	<b>SALZ (IN LÖSUNGEN)</b>	<b>SELS (EN SOLUTION)</b>								
aluminium acetate	aluminiumacetaat	Aluminiumazetat	acétate d'aluminium	+++	+++	+++	+++	++	++	+++	+++
aluminium chloride	aluminiumchloride	Aluminiumchlorid	chlorure d'aluminium	+++	+++	+++	+++	+	+	+++	+++
ammonium hydrogen carb.	ammoniumbicarbonaat	Aluminiumnitrat	bicarbonate d'ammonium	+++	+++	+++	+++	+	+	+++	+++
ammonium chloride	ammoniumchloride	Aluminiumbicarbonat	chlorure d'ammonium	+++	+++	+++	+++	+	++	+++	+++
ammonium sulphide	ammoniumsulfide	Aluminiumsulfid	sulfure d'ammonium	+++	+++	+++	+++	++	++	+++	+++
antimony trichloride	antimoontrichloride	Antimoontrichlorid	trichlorure d'antimoine	++	++	++	++	+	++	++	++
barium chloride	bariumchloride	Bariumchlorid	chlorure de baryum	+++	+++	+++	+++	++	++	+++	+++
potassium carbonate	kaliumpcarbonaat	Kaliumpcarbonat	carbonate de potassium	+++	+++	+++	+++	-	+	+++	+++
potassium chlorate	kaliumpchloraat	Kaliumpchlorat	chlorate de potassium	++	++	++	++	+	+	++	++
potassium nitrate	kaliumpnitraat	Kaliumpnitraat	nitrate de potassium	+++	+++	+++	+++	+	++	+++	+++
potassium permanganate	kaliumpmanganfaat	Kaliumpmanganfaat	permanganate de potassium	++	++	++	++	+	++	++	++
lead acetate	loodacetaat	Bleiacetaat	acétate de plomb	+++	+++	+++	+++	++	++	+++	+++
lead nitrate	loodnitraat	Bleinitraat	nitrate de plomb	+++	+++	+++	+++	+	++	+++	+++
magnesium carbonate	magnesiumcarbonaat	Magnesiumcarbonat	carbonate de magnésium	+++	+++	+++	+++	+	++	+++	+++
magnesium chloride	magnesiumchloride	Magnesiumchlorid	chlorure de magnésium	+++	+++	+++	+++	++	++	+++	+++
mercuriumchloride	kwikchloride	Mercurichlorid	chlorure mercurique	-	-	-	-	-	-	-	-
sodium acetate	natriumacetaat	Natriumazetat	acétate de sode	+++	+++	+++	+++	-	+	+++	+++
sodium chlorate	natriumpchloraat	Natriumpchlorat	borate de sode	++	++	++	++	+	+	++	++
sodium chloride	natriumpchloride	Natriumpchlorid	chlorure de sode	+++	+++	+++	+++	+++	+++	+++	+++
sodium fluoride	natriumpfluoride	Natriumpfluorid	fluore de sode	+++	+++	+++	+++	+++	+++	+++	+++
sodium hypochlorite	natriumphypochloriet (bleekloog)	Natriumphypochlorid	hypochlorite de sode	++	++	++	++	-	++	++	++
nickel sulphate	nikkelsulfaat	Nikkelsulfat	sulfate de nickel	+++	+++	+++	+++	-	+	+++	+++
stannic chloride	tinchloride	Zinn II chlorid	chlorure stannique	++	++	++	++	+	+	++	++
silver nitrate	zilvernitraat	Silbernitraat	nitrate d'argent	+++	+++	+++	+++	+	+	+++	+++
zinc chloride	zinkchloride	Zinkchlorid	chlorure de zinc	+++	+++	+++	+++	+	++	+++	+++
zinc sulphide	zinksulfide	Zinksulfid	sulfide de zinc	+++	+++	+++	+++	++	++	+++	+++

DUNLOP® PROTECTIVE FOOTWEAR - RESISTANCE LIST	PVC		ACIFORT		PUROFORT		CHEMICAL RANGE			SNUGBOOT	
	1. PVC Consumer & Basic	2. PPE	3. PVC Food	4. PPE / Agri	5. Acifort Food	6. Purofort Upper & Sole	7. Cleaning Boots	8. Heavy Duty	9. HazGuard	10. HazGuard Ultra	11. Snugboot
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.	162xx 380PP 380VC 380VP 386VP 388VP 553x0 814x B350611 K1xxxx K2xxxx K3xxxx K4xxxx K5xxxx K6xxxx W481211 W486711 W681211	142xx H142xxx H171311 H242711 H812511 V442011	171BV 380BV A571411 B370411	A252931 A442x3x A452031.NA B440x31 B550631 H242711.CH H242711.FL K240031.AR W486033 MZ2LE02	A181331 A781331 B180331 B780331	C462xxx C662xxx C762xxx C92033 CA61xxx CC22933 CC22A33 CC22A33.CH D460xxx D760xxx DA60131 E262673 E462xxx E652xxx E662xxx E762xxx E902033 EA51xxx EC02A33 F260673 G462xxx G762xxx GA61xxx J460933 J760933 JA60xxx LJ2JK01 LJ2JF01 LJ2HR48 LJ2HR42 LJ2HD01 EG62E31.FR FG60E33 EG62E33 FH6AF33 EH62F33	CB71431 CB71C31	A4422B1 A4422B1.ESD	A442AB1 A442AB1.ESD	87012.EU	Pioneer Wildlander WorkPro
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.											
+++ = excellent ++ = good + = fair - = not recommended	+++ = uitstekend ++ = goed + = voldoende - = niet aanbevelen	+++ = sehr gut ++ = gut + = zufriedenstellend - = nicht empfehlenswert	+++ = excellent ++ = bon + = satisfaisant - = insuffisant								
<b>AMINES</b>	<b>AMINEN</b>	<b>AMINE</b>	<b>AMINES</b>								
tri-ethanol amine (TEA)	Triethanolamine (TEA)	Triäthanolamin (TEA)	Triethanolamine (TEA)	++	++	++	++	++	++	++	++
di-ethylamine	diethylamine	Diethylamin	Diethylamine	-	-	-	-	-	-	-	-
<b>ESTERS / ETHERS</b>	<b>ESTERS / ETHERS</b>	<b>ESTERN / ÄTHER</b>	<b>ESTERS / ETHERS</b>								
amylacetate	amylacetaat	Amylazetat	acétate d'amyle	-	-	-	-	-	-	-	-
ethyl acetate	ethylacetaat	Äthylazetat	acétate d'éthyle	-	-	-	-	-	-	-	-
ethyl formate	ethylformiaat	Äthylformiat	formiate d'éthyle	-	-	-	-	-	-	-	-
methyl formate	methylformiaat	Methylformiat	formiate de methyle	-	-	-	-	-	-	-	-
dibenzyl ether	dibenzylether	Dibenzyläther	dibenzyl éther	-	-	-	-	-	-	-	-
tetrahydrofuran	tetrahydrofuraan	Tetrahydrofuran	tétrahydrofurane	-	-	-	-	-	-	-	-
<b>MINERAL OILS AND FATS</b>	<b>MINERALE OLIE EN VETTEN</b>	<b>MINERALISCHE ÖLE UND FETTE</b>	<b>HUILES, GRAISSES MINERALES</b>								
engine oil	motorolie	Motoröl	huile de moteur	-	+	++	++	+++	+++	+++	+++
cutting oil	boorolie	Bohröl	huile de coupe	-	+	++	++	+++	+++	+++	+++
mineral oil	aardolie	Erdöl	pétrole	-	+	++	++	+++	+++	+++	+++
shuttering oil	bekistingsolie	Schalöl / Beschalungöl	huile de décoffrage	-	+	++	++	+++	+++	+++	+++
<b>VEGETABLE AND ANIMAL OILS AND FATS</b>	<b>PLANTAARDIGE EN DIERLIJKE OLIE EN</b>	<b>PFLÄNZLICHE UND TIERISCHE ÖLE UND</b>	<b>GRAISSES VEGETABLES ET ANIMALS</b>								
margarine	margarine	Margarine	margarine	-	+	++	++	+++	+++	+++	+++
mayonnaise	mayonaise	Mayonnaise	mayonnaise	-	+	++	++	+++	+++	+++	+++
milk	melk	Milch	lait	-	+	++	++	+++	+++	+++	+++
butter	boter	Butter	beurre	-	+	++	++	+++	+++	+++	+++
pine oil	pijnolie	Pine-öl	huile de pin	-	+	++	++	+++	+++	+++	+++
soyabean oil	soya-olie	Soyabohnennöl	huile de soja	-	+	++	++	+++	+++	+++	+++
coconut oil	kokosolie	Kokosöl	huile de coco	-	+	++	++	+++	+++	+++	+++
fish oil	visolie	Fischöl	huile de poisson	-	+	++	++	+++	+++	+++	+++
beef suet	rundvet	Rindertalg	graisses de boeuf	-	+	++	++	+++	+++	+++	+++
higher alcohols	hogere alcoholen	Höhere Alkohole	alcools supérieurs	-	+	++	++	+++	+++	+++	+++
higher fatty acids	hogere vetzuren	Höhere Fettsäuren	acide gras supérieurs	-	+	++	++	+++	+++	+++	+++
<b>HYDROCARBONS</b>	<b>KOOLWATERSTOFFEN</b>	<b>KOHLWASSERSTOFFE</b>	<b>HYDRO CARBURES</b>								
xylene	xyleen	Xylol	xylène	-	+	+	+	++	++	++	++
gasoline	benzine	Benzin	benzine	-	+	++	++	+++	+++	+++	+++
cyclohexane	cyclohexaan	Cyclohexan	cyclohexane	-	-	+	-	++	++	++	++
kerosene	kerosine	Kerosin	kérosène	-	+	++	++	+++	+++	+++	+++
naphtha	nafta	Naphtha	naphte	-	+	++	++	+++	+++	+++	+++
petroleum	petroleum	Pétroleum	pétrole	-	+	++	++	+++	+++	+++	+++
refined petrol	wasbenzine	Waschbenzin	essence de dégraissage	-	+	++	++	+++	+++	+++	+++
toluene	toluene	Toluol	toluène	-	-	-	-	++	++	++	++
n-heptane	n-heptaan	n-Heptan	n-heptane	-	-	+	-	++	++	++	++
<b>ALCOHOLS</b>	<b>ALCOHOLEN</b>	<b>ALKOHOLEN</b>	<b>ALCOOL</b>								
butyl alcohol (butanol)	Butylalcohol (butanol)	Butylalkohol (Butanol)	alcool butylique (butanol)	-	-	+	-	++	++	++	++
1-hexanol	1-hexanol	1-Hexanol	1-hexanol	+	+	++	+	+++	+++	+++	+++
isopropanol	isopropanol	Isopropanol	isopropanol	+	+	++	+	+++	+++	+++	+++
ethanol	ethanol	Ethanol	éthanol	+	+	++	+	+++	+++	+++	+++
methanol	methanol	Methanol	méthanol	+	+	++	+	+++	+++	+++	+++
1-octanol	1-octanol	1-Octanol	1-octanol	+	+	++	+	+++	+++	+++	+++
diethylene glycol (DEG)	Diethyleenglycol (DEG)	Diäthylglykol (DEG)	diethylene glycol (DEG)	++	++	++	++	+++	+++	+++	+++
glycerine	glycerol	Glycerin	glycérine	++	++	++	++	+++	+++	+++	+++
<b>CHLORINATED HYDROCARBONS</b>	<b>GECHLOREERDE KOOLWATERSTOFFEN</b>	<b>CHLORIERTE KOHLWASSERSTOFFE</b>	<b>HYDROCARBURES CHLORES</b>								
methylene chloride	methyleenchloride	Methylenchlorid	chlorure de méthylène	-	-	-	-	+	+	+	+
trichloroethylene	trichlooretheen	Trichloräthyleen	trichloréthylène	-	-	-	-	++	++	++	++
tetrachloroethylene	tetrachlooretheen	Tetrachloräthyleen	tétrachloréthylène	-	-	-	-	++	++	++	++
<b>ALDEHYDES</b>	<b>ALDEHYDEN</b>	<b>ALDEHYDES</b>	<b>ALDEHYDES</b>								
acetaldehyde	acetaldehyde	Acetaldehyd	acetaldehyde	-	-	-	-	-	-	-	-
benzaldehyde	benzaldehyde	Benzaldehyd	benzaldehyde	-	-	-	-	-	-	-	-
formaldehyde	formaldehyde (40%)	Formaldehyd	formaldehyde	-	-	-	-	++	++	++	++
<b>KETONES</b>	<b>KETONEN</b>	<b>KETONE</b>	<b>CETONES</b>								
acetone	aceton	Aceton	acétone	-	-	-	-	+	+	+	+
cyclohexanone	cyclohexanon	Cyclohexanon	cyclohexanone	-	-	-	-	-	-	-	-
methyl ethyl ketone (MEK)	methylethylketon (MEK)	Methylethylketon (MEK)	methylethylcétone (MEK)	-	-	-	-	+	+	+	+
<b>MISCELLANEOUS</b>	<b>DIVERSEN</b>	<b>DIVERSEN</b>	<b>DIVERS</b>								
cement / concrete	cement / beton	Beton / Zement	ciment / béton	+	+	++	++	-	+	++	++
detergents	detergenten	Reinigungsmittel	détergents	++	++	++	++	++	++	++	++
sugar solution	suiker oplossing	Zuckerlösung	solutions sucrées	+++	+++	+++	+++	+++	+++	+++	+++
paint remover	verfafbijtmiddel	Farbenabbeiser	décapants de peintures	-	-	-	-	-	-	-	-
hydrogen peroxide (30% vol)	waterstofperoxide (30% vol)	Wasserstoffperoxid (30 % Vol)	peroxyde d'hydrogène (30 % vol)	+	++	++	++	+	++	++	++