



uvex 1 x-flow

Lightweight athletic safety shoe for light industrial applications. The biomechanical design and high energy return midsole provide a smooth flowing ride making it ideal for workers that cover large distances on foot. Elastic laces provide ease of access and standard laces are provided for those that prefer a locked down fit.

clima zone
bionom x

i-PUREnrj
multiple fit



uvex 1 x-flow range technologies

- Designed to minimise workers fatigue uvex i-**PUREnrj** cushioning system absorbs impact energy during loading and maximises energy return during propulsion.
- uvex **bionom x** uses biomechanics in design to harmonise the interaction of footwear with the ground and the body so that it performs as one system.
- uvex **clima zone** is an innovative climate control system that has been developed to optimise breathability and internal airflow within the footwear to help keep workers cool.
- uvex **multiple fit** system offers multiple widths in the same length in majority of sizes.
- uvex 1 x-flow footbed is made from 87% recycled production waste foam and the top cover fabric is made from 100% recycled PET plastic.

Application area

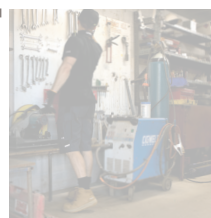
1 = light

Work is primarily carried out indoors and there are no significant demands on the physical properties of the footwear. Examples include assembly, warehousing, logistics and light industrial workplaces.



2 = medium

Work usually takes place both indoors and outdoors, with the footwear needing to be significantly more robust. Typically users include trades people, public sector employers and medium industry.



3 = heavy

Work involves external influences that place extensive demands on the footwear durability and stability. They are usually found in mining, construction, heavy mechanical engineering and civil engineering.



Hazard management

uvex 1 x-flow solutions

Slips

- uvex **bionom** x sole geometry is designed to maximise contact area on smooth and uneven surfaces helping to reduce slips risk.
- Specifically, compounded rubber outsole and tread pattern is designed to be slip resistant to soap (SLS) on ceramic tiles and fat (glycerol) on smooth steel plate.

Trips & falls

- uvex **bionom** x sole geometry improves swing phase ground clearance compared to traditional footwear designs.
- Lightweight design helps reduce fatigue of the muscles that lift the toe during the swing phase.
- The heel geometry of the uvex **bionom** x helps reduce the torque at the ankle reducing fatigue of the muscles that lift the toe.

Fatigue

- Lightweight design reduces muscular effort and fatigue generation.
- uvex **bionom** x sole and upper design is harmonised with the body's natural power generation.
- uvex i-**PURE**nrj cushioning system absorbs impact energy during loading and maximises energy return during propulsion. uvex i-**PURE**nrj returns 60% more energy than traditional PU foam.

Heat stress

- uvex **clima** zone combines breathability in key heat build-up zones and internal channelling to improve airflow through the footwear.
- Lightweight design and uvex i-**PURE**nrj reduces muscle work and heat generation.
- uvex **bionom** x sole and upper design is harmonised with the body's natural power generation.
- Composite toe cap is insulating in nature and is cooler and less humid in the heat.

Volatile environments

- Anti-static certified footwear is designed to dissipate electrostatic charges to minimise risks of spark ignition of flammable substances and vapours, by conducting the charge through innersole and sole to the ground.
- Footwear certified to be anti-static must have electrical resistance greater than 100 KΩ and less than 1000 MΩ.
- Important note: Electrical resistance can vary significantly by flexing, contamination or moisture. In-house test processes should be undertaken to test electrical resistance of the footwear when used in sensitive environments.

Sensitive electrical equipment

- Anti-static footwear can be used to reduce electrostatic discharge that can damage sensitive electrical circuits.
- Important note: Electrical resistance can vary significantly by flexing, contamination.
- In-house test processes or moisture should be undertaken to test electrical resistance of the footwear when used in sensitive environments.

Hot contact

- Heat resistant nitrile rubber outsole is resistant to contact with hot material to 300°.

Fuel oil

- Outsole is resistant to breakdown when exposed to fuel oil.

Sprains

- uvex **bionom** x sole geometry provides improved adaptability on irregular surfaces and increased contact area on sloping and cambered surfaces.

Product Details		
Colour	black/yellow	
Part No.	65398 (standard width)	65390 (extra wide)
Sizes EU (UK)	37 - 48 (4 - 13)	41 - 48 (7 - 13)
Outsole	300°C heat resistant nitrile rubber	
Upper	nylon upper	
Lining	synthetic	
Toe cap	composite	
Metal free	Yes	
Weight	530g	
Electrical hazard	N/A	
Anti-static	Yes	
Slip resistant	Yes (SRC)	
Airport friendly	Yes	
Australian standard	AS 2210.3:2019 S1 HRO SRC	
European standard	EN ISO 20345:2022 S1 FO HRO SC SR	
American standard	ASTM F2413-17 M1/75/C/75	
Ordering unit	Pair	

UVEX SAFETY AUSTRALIA LIMITED PARTNERSHIP

Unit 3 Riverside Centre.
24-28 River Road West
Parramatta NSW 2150, Australia
T 1800 815 790 E info@uvex.com.au
uvex-safety.com.au

UVEX Safety New Zealand Ltd

T +64 800 698 839 E info@uvex.co.nz
uvex-safety.co.nz



CLICK HERE or
SCAN QR code
for more information on
uvex hearing range