



uvex

uvex 1 G2 planet
100% Performance.
30% recycled.*



protecting people

uvex

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100% Performance.
30% recycled.*



7.17 kg

Calculation date:
03/2024***

For the first time, we have calculated the CO₂ footprint for a uvex safety shoe. This tells us how much CO₂ is emitted during the production of a pair. To calculate this, we measured the emissions from the raw materials to the first use**. The result is that the CO₂ footprint of the uvex 1 G2 planet is 7.17 kg.

By using recycled and bio-based materials, we were able to reduce the CO₂ footprint by 1.36 kg or 16% compared to our regular uvex 1 G2 (art. no. 68342, CO₂ footprint 8.53kg).

Calculations based on Sima Pro 9.2.01, ecoinvent 3.6 database

*calculated in accordance with DIN EN ISO 14021:2016

**the end-of-life emissions depend on the method of disposal.

***Calculation method: IPCC 2021 GWP 100a (based on ISO 14067) SimaPro 9.4.02 Database ecoinvent 3.8. Scope: cradle to customer. The CO₂ values stated apply to the calculation period and may be subject to permanent changes.



uvex x-tended grip planet

10%

of the TPU outsole made from recycled PU surplus



Comfortable climatic insole

100%

recycled polyester and PU foam



uvex x-dry knit planet

100%

recycled PET bottles in the upper



Distance mesh lining

18%

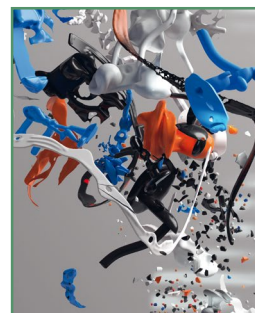
of the lining is made of bamboo, 52% made of recycled polyester



uvex i-PUREnrj planet

20%

of the midsole made of granulate from recycled PU residues



uvex i-PUREnrj technology

Shock-absorbing. Stabilising. Energy-returning.

- Outstanding shock absorption and energy return
- Foamed heel basket provides excellent stability and reduces the risk of injury



uvex

Science. Not Fiction.

uvex 1 G2

uvex x-dry knit Technology

100% performance. 100% wearer comfort. 100% dry feet.

The unique uvex x-dry knit technology offers unparalleled levels of comfort by keeping feet dry and comfortable throughout an entire day thanks to the intelligent combination of outstanding breathability and water-repelling characteristics. Independent tests at PFI Pirmasens Test and Research Institute have proven the unique performance of the uvex x-dry knit technology.

Water vapour permeability**

40x

more breathable than the minimum requirement of EN ISO 20345

Water vapour coefficient

17x

more breathability and absorption in the material than the minimum requirement of EN ISO 20345

Water penetration

100%

more water resistant than the minimum requirement of EN ISO 20345

Water absorption

10x

more than the minimum requirement of EN ISO 20345

uvex x-tended grip Technology

100% performance. Greater safety and stability. Longer life.

The uvex x-tended grip technology, based on the latest generation TPU outsole, guarantees even greater slip resistance across the whole outsole surface including when worn on smooth or wet surfaces. It also delivers even more abrasion resistance when compared to the standard, making them particularly durable. As a result the wearer experiences greater safety, stability, less wear and consequently lower costs thanks to a longer service life.

The coloured sections in the heel (strike) and toe area (push off), provide additional grip.

Abrasion resistance with uvex x-tended grip

66%

more abrasion resistance than required by the standard

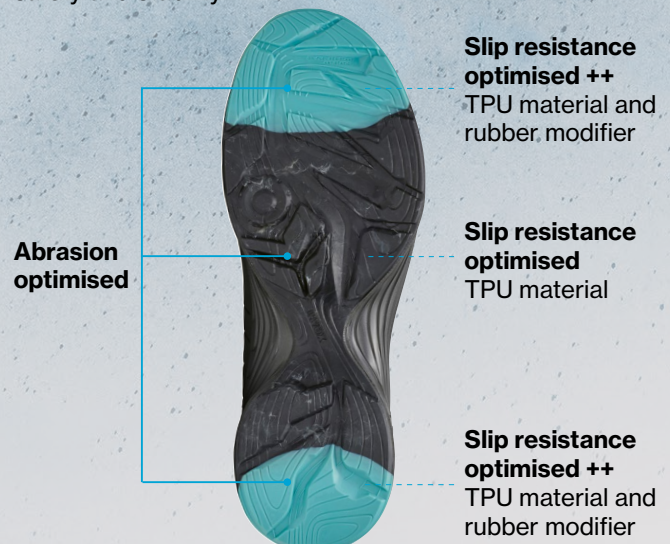
Improved abrasion resistance in high wear zones (the heel and toe)

33%

more abrasion resistance compared to the standard = product durability and longevity

Optimised slip resistance for increased safety

The TPU and rubber modified coloured sections are typically exposed to greater wear and tear which is why they have been engineered to deliver higher levels of abrasion and slip resistance. The overall TPU sole has been produced to ensure the tread stays sharp edged for longer and is even more slip resistant, helping to improve safety and stability.

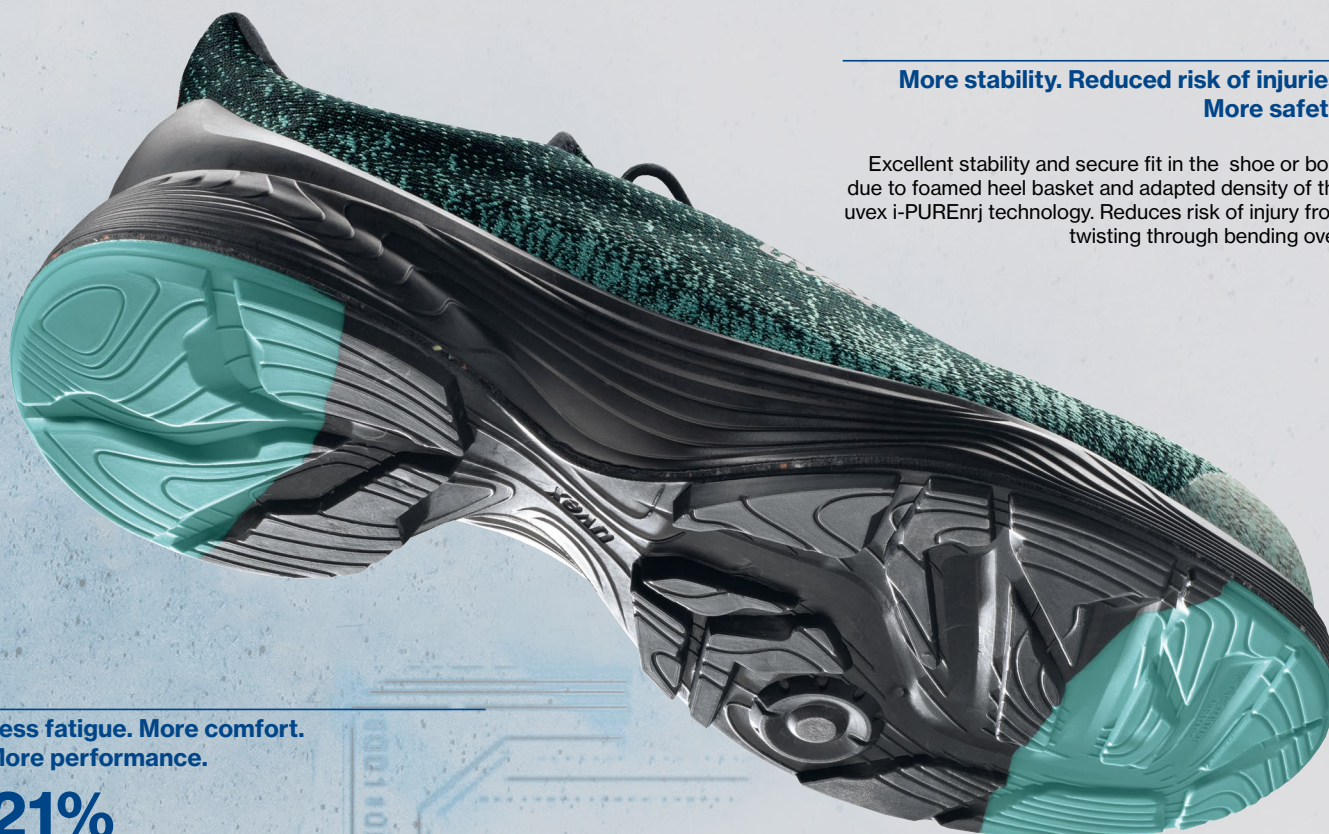


uvex i-PUREnrj Technology

Cushioning. Stability. Energy Return.

**More stability. Reduced risk of injuries.
More safety.**

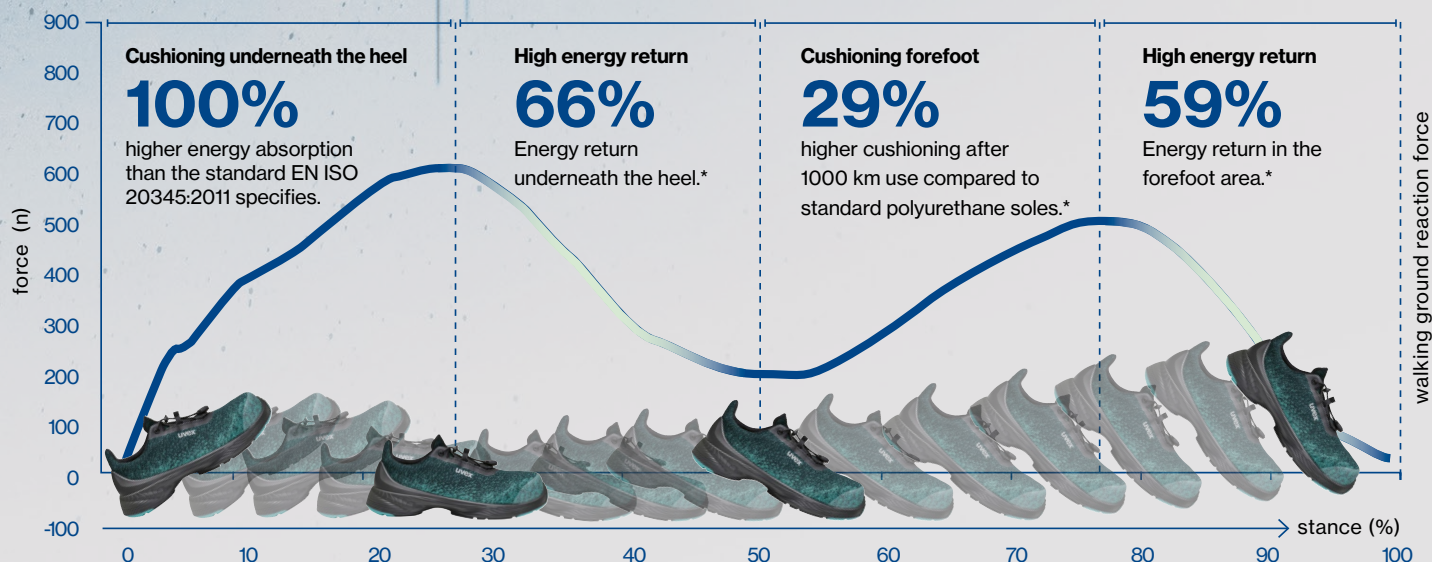
Excellent stability and secure fit in the shoe or boot due to foamed heel basket and adapted density of the uvex i-PUREnrj technology. Reduces risk of injury from twisting through bending over.



**Less fatigue. More comfort.
More performance.**

21%

less perceived fatigue compared to standard polyurethane soles.



* Marked mentioned results reported in: Nr. L190714889 CTC Lyon, 22.08.2019

** Breathability

Sustainability at uvex footwear since 2010

2010

uvex restricted substances list includes over 167 harmful substances

2011

Installation of photovoltaic system for power generation

2013

First projects to reduce waste: Mould change reduces PU waste

uvex 1 as the first safety shoe with ecolabel certification

2014

Start of use of water-based release agents

2017

Certified environmental management system in accordance with ISO 14001

- Continuous improvement of environmental performance
- Reduction of environmental impact
- Sustainable economic activity

2010

2011

2013

2014

2017



“

For over 90 years, we have been producing and distributing high-quality products to protect people in sports, leisure and at work. Any company wanting to protect people must accept the responsibility that comes with it. It is exactly this mission that instils our commitment to work sustainably and with social responsibility.

”

Michael Winter, Managing Partner of the uvex group

2018

Purchase of green electricity for production

Exclusive use of water-based release agents

2019

Purchase of green gas for production

Less waste generated by switching raw material deliveries to tankers instead of using IBCs

2020

Use of recycled components in uvex safety shoes

2021

First shoe made from recycled materials

85% of all uvex shoes have at least one recycled component

Calculation of the CO₂ footprint, investment in software

2022

Addition of PU granulate from production surplus in uvex i-PUREnrj midsole

Projects

Projects to further reduce waste

Sustainable shoe collection

Circular shoe concept

2018

2019

2020

2021

2022

PROJECTS





Made in uvex

Made in Italy

uvex competence center for safety footwear in Ceva (CN), Italy

The production in Italy, which is one of the most modern production facilities for safety footwear in Europe, ensures efficient, resource-saving production and short distances from manufacturer to user.

Sustainability

- Uses 100% green energy and green gas
- Uses environmentally friendly solar energy (photovoltaic system installed since 2011)
- PUR waste management for recycling and saving polyurethane waste
- Uses water-based release agents (numerous approvals in the automotive and supplier industries)

Certifications

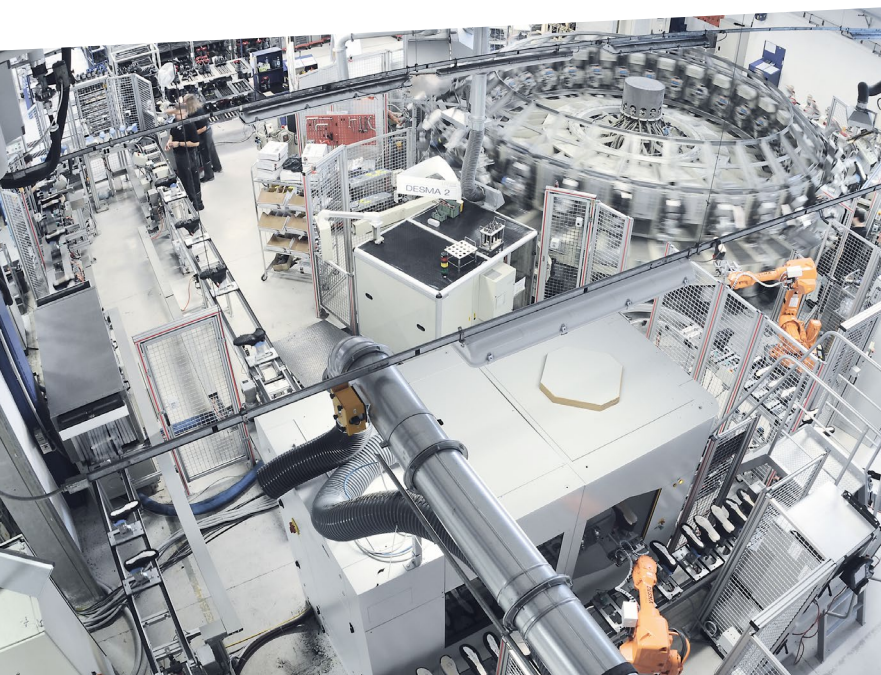
- ISO 9001-certified quality management system (since 2003)
- ISO 14001-certified environmental management system (since 2017, first certificate in the uvex safety group)
- ISO 45001-certified occupational health and safety management system (since 2020, replacement for OHSAS 18001 certification)

Expertise at uvex headquarters in Fürth, Germany

- | | |
|---|--|
| • Product design and development | • Supply chain management |
| • Biomechanics | • Commercial processing |
| • Model building and prototyping | • Process engineering |
| • Quality and international manufacturing support | • Training, product management and marketing |

Responsibility

Uses renewable energy and
CO₂-neutral electricity and gas



uvex protecting planet

RECYCLING PROJECTS
TO REDUCE PRODUCTION
WASTE



REDUCTION OF CO₂
EMISSIONS PER PAIR
SINCE 2018



PROPORTION OF GREEN
ENERGY AT UVEX CAGI

100 %



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protecting people