SPECIFICATION SHEET



HYRAX IGS
V2170

Safety Specification

EN ISO 20345:2022 S3L FO HRO SR LG ESD

PUNCTURE-RESISTANT (NON-METAL)
TOECAP
CHEMICAL SPLASH-PROOF
ADDITIONAL SLIP TESTED
SCAFFOLD BOARD SLIP-TESTED
KENNEDY GRATING SLIP-TESTED
CHEQUER PLATE SLIP-TESTED
LADDER GRIPS
WATER-RESISTANT UPPER
HEAT-RESISTANT
METAL-FREE
FUEL OIL-RESISTANT
ENERGY ABSORPTION
VEGAN-FRIENDLY
CLOSED HEEL
ANTI-STATIC
ESD
ELECTROSTATIC DISSIPATIVE
CLEATED OUTSOLE

Description

- A lightweight water-resistant black vegan-friendly safety hiker
- Toes stay protected with a fibreglass toecap
- Underfoot is safe with a protective woven superflex-fibre composite midsole
- Safe and stable grip on slippery surfaces with the IGS™ sole unit
- Added safety with a chemical splashproof upper and ESD protection

Toecap

Feet are kept safe from heavy or dropped items with a strong but lightweight fibreglass toecap, tested to 200J.

Size

Available in sizes:
6 - 13 (39 - 48)
including 6.5 and 10.5

Weight

607g
based on a size 8 (42)

Protective Midsole

Feet are kept safe from sharp items entering underfoot with a strong but lightweight woven superflex-fibre composite anti-penetration midsole, tested to 1,100N.

Sole

Slip safety ensured with the innovative IGS™ sole unit, featuring ladder grips for working safely at height and a water-dispersing tread to keep the wearer stable on slippery and contaminated surfaces.

Upper

Feet stay cool with a water-resistant breathable upper which is leather-free so vegan-friendly, and is tested against chemical splash (Sodium Hydroxide and Sulphuric Acid) in accordance with footwear performance TYPE U (EN13832-2:2018).

Footbed

Feet remain cool and sweat-free with a heel pump and heat-reducing airflow channels, while cushioned and resilient rebound PU open-cell foam offers superb comfort and support.

Lining

Feet stay cool and sweat-free with a moisture-wicking and highly breathable padded lining.

Warranty

We're so confident that our boots will stand the test of time, we offer a 200-day guarantee as standard.

Additional Information

Also available in a True Women's Fit™.

©V12 Footwear

EN ISO 20345:2022 standards for general purpose safety footwear, plus additional (optional) safety features.

Features	Test Performed	Safety Classifications													
		SB	S1	S2	S3	S3L	S3S	S4	S5	S5L	S5S	S6	S7	S7L	S7S
	Slip resistance now seen as mandatory, so no symbol given	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SB	Safety toecap protection only, tested with 200 J impact and 15 kN compression force	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
A	Anti-static: electrical resistance between foot and ground of between 0.1 and 1,000 mega ohms*		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
E	Energy absorption of the seat region: energy absorbed to be not less than 20 J		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WPA	Water penetration and absorption (water-resistant and breathable)			✓	✓	✓	✓					✓	✓	✓	✓
WR	Water-resistant footwear (waterproof membrane)											✓	✓	✓	✓
P	(Metal insert type P) Penetration-resistant outsole: Lowest penetration value required shall not be less than 1,100 N				✓				✓				✓		
PL	(Non-metal insert type PL) Penetration-resistant outsole: Lowest penetration value required shall not be less than 1,100 N and no separation of the layers shall occur during all tests					✓				✓				✓	
PS	(Non-metal insert type PS) Penetration-resistant outsole: Average penetration value shall not be less than 1,100 N with no single value shall be lower than 950 N						✓				✓				✓

Additional Safety Features

HRO	Heat-resistant outsole compound: shall withstand 300°C for 60 seconds
FO	Resistance to fuel oil
LG	Ladder grip
SC	Scuff cap abrasion resistance
CR	Cut-resistant upper: cut-resistant index to exceed 2.5
M	Metatarsal protection 100 J impact energy
SR	Slip test will feature glycerine on ceramic tile surface
C	Partially conductive footwear. The electrical resistance shall not be greater than 0.1 mega ohms between foot and ground*
CI	Insulation against the cold: 30 minutes at -17°C, the decrease shall not be more than 10°C
HI	Insulation against heat: 30 minutes at 150°C, the rise shall not be higher than 22°C
AN	Ankle protection: 10 N impact mean transferred force shall not exceed 10 kN and no single value shall exceed 15 kN

FOOT HEALTH

For foot health advice, scan the QR code.

BOOT CARE

For boot care advice, scan the QR code.

If you're unsure if these are the right boots for you and your environment, head to our boot finder by scanning the QR code and we'll give you our expert recommendations from the V12 range.

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