

# HONEYWELL ULTIMATE STEEL SMILO EVO

## I Protection that flows from heel to toe

For safety footwear, comfort should be second only to protection. Taking the Ultimate Footwear success story further, Honeywell is launching Ultimate Steel product line, offering protection and comfort that flow from heel to toe. Mimicking the foot's natural movement, the Ultimate Steel wave concept enables smooth, effortless motion over any terrain. The anti-puncture steel plate provides reliable protection against perforation risks, the front shield ensures safety, and the cleats provide stability both indoor and outdoor.



### SMILO EVO S3 HI CI SRC

- 100% non-metallic toecap
- Low-cut style
- Leather upper and water repellent
- 3D mesh with foam lining
- Stainless steel anti-perforation interlayer
- Heel reinforcement
- Dual-density polyurethane outsole
- Antibacterial, antistatic and removable, the ergonomic insole provides effective water absorption
- Additional insoles available (as an accessory), changing the footwear volume for a customizable fit
- EN ISO 20345:2011 S3 HI CI SRC



## TESTED TO THE ULTIMATE

Smilo Evo, like every boot and shoe in the Ultimate Steel Footwear range, performs above and beyond the level required for certification\*:

- **14%** more impact protection than the standard requirement. The impact resistance (to 200 J) is 16 mm, above the minimum requirement of  $\geq 14$  mm;
- **31,25%** more slip resistance in flat position than SRA\*\* requirements. They offer a coefficient of friction (COF) of 0.44, above the minimum required value of  $\geq 0.32$ ;
- **22%** more slip resistance in flat position than SRB\*\*\* requirements. Tests have shown a COF of 0.22, above the minimum required value of  $\geq 0.18$ ;
- **65%** more heel energy absorption capacity (to a force of 5,000 N) than the standard requirement. The energy absorption capacity is 34 J, above the minimum requirement of  $\geq 20$  J.
- **46%** more compression resistance than the standard requirement. The toecap compression resistance (to 200 J) is 20.55 mm, above the minimum requirement of  $\geq 14$  mm.

\*) The values reflect the EN ISO 20345:2011 standard test results for the Ultimate Steel range performed on EU size 42 samples.

\*\*\*) Slip resistance on floors with ceramic tiles with sodium lauryl ether sulfate (SLS) solution.

\*\*\*\*) Slip resistance on a steel surface with glycerol. If a product passes the SRA test, it can be tested for SRB rating. Once it has achieved both, it achieves SRC certification.

# ULTIMATE PROTECTION

## 200 J COMPOSITE SAFETY TIP

- 50% lighter than steel;
- Amagnetic, unalterable thermal insulation;
- Durable, metallic, anti-perforation interlayer (1,100 N);

## SOLE - TECHNICAL DATA

- Four wear-off indicators on the outer layer;
- Heel shock absorption system;
- Dual-density polyurethane: PU 2D
- **0.5 density comfort layer**
- **Wear layer density 1**
- **Wide, deep and self-cleaning relief providing anti-slip resistance**
- Adhesion coefficient compliant with amendment 1:2007 of the EN ISO 20345:2011 standard;

- On steel floor: 0.14 heel (minimum standard 0.13);
- Flat: 0.22 (minimum standard 0.18);
- On ceramic floor: 0.29 heel (minimum standard 0.28)
- Flat: 0.44 (minimum standard 0.32);
- Energy absorption capacity >20 J;
- Abrasion resistance: loss in volume <150 mm<sup>3</sup> (under a 10 Newtons (1 kg) load);
- Elongation at break: 650%
- Resistance to repeated flexion optimized >30,000
- Flexometer tested - standard >30,000)
- Enhanced hydrocarbon resistance;
- Resistance to acids and bases: limited to low concentration.

## TECHNICAL SPECIFICATIONS AND STANDARDS:

- European Regulation: (EU) 2016/425\*
- Standard: EN ISO 20345:2011\*\*
- Quality assurance: BVQI ISO 9001 Version 2015\*\*\*
- Marking: S3 HI CI SRC
- Weight: 850 g for 1 shoe 42 size

\*) <https://osha.europa.eu/en/safety-and-health-legislation>

\*\*) <https://www.iso.org/home.html>

\*\*\*) <https://group.bureauveritas.com/>

## OUTSOLE SLIP RESISTANCE PERFORMANCE

MARKING	SURFACE	LUBRICANT	FRICTION FACTOR: FLAT
SRA	Ceramic plates	Sodium lauryl sulfate	0.44 (minimum requirement 0.32)
SRB	Steel	Glycerol	0.22 (mimumum standard 0.18)
SRC	Meets requirements of the above 2 tests (SRA plus SRB)		

## ORDERING INFORMATION

REF.	DESCRIPTION	SIZE
62 461 84	Smilo Evo S3 HI CI SRC	35-49

### For More Information

[www.honeywellsafety.com](http://www.honeywellsafety.com)

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