



M-PROTECTION S3L FO HI HRO M SR

HR470EMR

CE EN ISO 20345:2022 S3L FO HI HRO M SR

ANKLE SAFETY SHOE

39-47

HARD ROCK ANTISTATIC Durability

High safety shoe, made of anti-scratch rump leather WPA thickness 1.8-2.0 mm. Lining made of highly breathable and abrasion-resistant fabric. Shoe with reflective fabric insert.

Soft, lined, and padded tongue. Complete with quick release.

SHOE ENTIRELY WITHOUT METALLIC PARTS

TIP 200J athermal polymer based composite according to EN 22568

LAMINA PL flexible anti-perforation composite fabric according to EN 22568

HARD ROCK ANTISTATIC SOLE bidensity: polyurethane and antistatic rubber.

Sole resistant to hydrocarbons and abrasion, anti-shock and non-slip

INSOLE 5000 trimaterial extracomfort, breathable, removable, anatomical, absorbent, ESD and antibacterial

FO resistance of the sole to hydrocarbons

HI heat-insulating sole

HRO heat resistance of the sole for contact

M Preformed Pu metatarsal protection, internal, extremely comfortable

SR Slip resistance



The particular conformation of the protection allows to absorb and distribute evenly the impact shocks 100J

Size 39-47 **Shoe weight** size 42 **gr. 665**

** The calculated weight excludes laces and insoles.*

→ **AREAS OF APPLICATION**

- Construction and Building Sites**
- Metal and Wood Carpentry**

→ **CERTIFICATIONS APPLIED**

- Water Penetration and Absorption (WPA)**
- PL Puncture Resistance with Non-Metallic Insert (nail Ø 4.5mm)**
- HRO Sole Resistance +300**
- Heel Energy Absorption**
- Hydrocarbon Resistance**
- Water-Repellent Footwear**
- Heat Insulating Outsole**
- DGVU 112-191**

→ **TECHNOLOGIES AND MATERIALS**

- No metal**
- Metal-Free**
- High Visibility**
- Mondo Point 11**
- Metatarsal Protection**
- Scratch-Resistant Leather**
- Slip Resistance (optional glycerin test)**

→ **ANTI-SLIP RESULTS**

**after simulation of walking by slight abrasion*

Ceramic tile floor with NaLS	Forward heel (heel slip 7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.31 0.46 </div>	Backward heel (heel slip 7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.36 0.53 </div>	Ceramic tile floor with glycerin	Forward heel (heel slip 7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.19 0.20 </div>	Backward heel (heel slip 7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.22 0.20 </div>
SRA on ceramic tile floor with NaLS	forward flat slip <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.32 0.40 </div>	Forward Heel forward flat slip (7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.28 0.40 </div>	SRB on steel floor with glycerine	forward flat slip <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.18 0.22 </div>	Forward Heel forward flat slip (7°) <div style="border: 1px solid black; padding: 2px; display: inline-block;"> ≥ 0.13 0.17 </div>

↳ PLUS



Scratch-Resistant Leather

Zero Abrasion technology uses leather finished with multiple layers of polyurethane to protect the upper from scratches, cuts, and wear. This solution ensures that the footwear maintains flawless performance and appearance even after months of intense use, providing advanced resistance against abrasive surfaces and mechanical environments—all while preserving foot comfort and breathability.

↳ SOLE

HARD ROCK ANTISTATIC Durability

The Hard Rock Antistatic PU line is designed to protect safety footwear in industrial environments where extreme temperatures and hazardous materials can pose serious risks to workers. The combination of an antistatic nitrile rubber sole and certified technical materials ensures reliable protection in high-risk settings. This line also features soft lines and lightweight volumes, offering a minimal design that prioritizes comfort and practicality without compromising safety.

