GIASCO









FLOW SB FO E PL CI WPA SR

3R022E

CE EN ISO 20345:2022 SB FO E PL CI WPA SR

LOW SAFETY SHOE **36-47**

DIELECTRIC Sole line

Low safety shoe, suede back leather and WPA anti-scratch leather thickness 1,8-2,0 mm.
Perspiring and abrasion resistant fabric lining.
Soft, lined and padded tongue.
COMPLETELY METAL FREE SHOE

TOECAP 200J polymeric composite **non-thermic** according to EN 22568
PL certified antiperforation dielectric composite fabric according to EN 22568
SOLE 3 RUN three-densities polyurethane dielectric, to hydrocarbons and to abrasion, anti-shock and anti-slipping
Article 3R022E has been tested using a method analogous to ASTM F2413-18 (EH) and CSA Z195-14: determination of resistance to an electric shock, increase 1 kV/sec, voltage 20,000 V/60 Hz holding the voltage for 1 minute. Electrical current requirement below 1.0 mA.
The outsole of the footwear, within specific limits (in the absence of moisture, not referring to the upper), was tested using a method analogous to EN ISO 20345:2022 to provide electrical insulation against voltages up to 1000 V M ohm >1000.
(Test report No. 4314043.01/E)
ANTI TORSION insert in the sole to assure stability on uneven ground
DIELECTRIC INSOLE, extracomfort bimaterial with activated carbon, removable, anatomic, absorbing, antistatic, perspiring insulating and antibacterial.
Eco-Friendly
FO sole resistance to hydrocarbons
E energy absorption on seat region
PL antiperforation midsole
CI cold insulation of sole complex -17°C
SR Slip resistance
THIS PRODUCT COMPLIES WITH THE REQUIREMENTS OF THE STANDARD ASTM F2413-24:
- Impact resistant footwear (I)
- Compression resistant footwear (C)
- Puncture Resistant Footwear (PR)
- Electric Hazard Resistant Footwear (EH)
- Slip Resistance (SRO)

Size 36-47 | **Shoe weight** Sz 42 **gr 550**
** The calculated weight excludes laces and insoles.*

↪ AREAS OF APPLICATION

Cold Environments

Electrician

↪ CERTIFICATIONS APPLIED

WPA — Water Penetration and Absorption (WPA)

PL — PL Puncture Resistance with Non-Metallic Insert (nail Ø 4.5mm)

ASTM F2413-24 — ASTM F2413-24

E — Heel Energy Absorption

FO — Hydrocarbon Resistance

20.000 V SOLE — Insulation up to 20,000V

↪ TECHNOLOGIES AND MATERIALS

NO METAL — No metal

NO METAL — Metal-Free

MONDO POINT 11 — Mondo Point 11

EXTRA LIGHT — Extreme Lightness

CI -17°C — Cold Insulating Outsole

SR — Slip Resistance (optional glycerin test)

3PU PATENT — Three to be™ - Triple Density Injection

ANTI TORSION — Anti-Torsion Sole

↳ PLUS

Three to be™ - Triple Density Injection

Three to Be® - Tripla Densità Iniettata technology represents one of the most advanced results of our R&D efforts. Patented by Giasco, it integrates three entirely polyurethane-injected sole layers to optimize safety shoe performance in terms of comfort, stability, and slip resistance.

Anti-Torsion Sole

The Anti Torsion system uses a thermoplastic shank designed to increase stability on irregular and wet surfaces. Unlike standard shanks, it flexes with the foot's natural motion, reducing the risk of twists and falls. Ideal for outdoor work, especially in construction, where surface control is critical.

↳ SOLE

DIELECTRIC Sole line

Dielectric sole line was developed to meet the needs of those working in contact with electrical cables and systems. Specifically, this line offers a safety shoe with an insulating sole that provides specific protection against the risk of electric shock.
This is made possible by a series of insulating materials specifically designed for this purpose: the nitrile rubber compound of the outsole, the polyurethane foam of the midsole, the fabrics of the puncture-resistant insole, and the compound of the internal footbed.
These technologies enabled the shoes to pass electrical resistance tests in accordance with the analogous method of the EN ISO 20344:2021 standard and ASTM F2413 (EH) / CSA Z195-14 at 20 kV/60 Hz.
In addition, the specific materials used in the sole construction allowed the product to obtain the important American certification ASTM 2413-24 EH (Electric Hazard Resistant Footwear).



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