

FRANKLIN SB FO E PS CI HI WPA HRO SR

HRD052T

CE EN ISO 20345:2022 SB FO E PS CI HI WPA HRO SR

LOW SAFETY SHOE

37-47

DIELECTRIC Sole line

Low safety shoe, WRU suede back leather, toe in anti-scratch leather thickness 1,8-2,0 mm. Highly perspiring and abrasion resistant fabric lining. Soft, lined and padded tongue.

COMPLETELY METAL FREE SHOE

TOECAP 200J polymeric **composite non-thermic** according to EN 12568

MIDSOLE flexible antiperforation composite INSULATING fabric according to EN 12568

SOLE HARD ROCK INSULATING bidensity polyurethane and **INSULATING RUBBER** resistant to hydrocarbons and to abrasion, anti-shock and anti-slipping **SRC** Article HRD052T has been tested using a method analogous to ASTM F2413-24 (EH) and CSA Z195-14: determination of resistance to an electric shock, increase 1 kV/sec, voltage 20,000 V/60 Hz \square 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 \square M ohm >1000.

(Test report No. 4325006.01/EA)

DIELECTRIC INSOLE, removable, anatomic, absorbing, insulating and perspiring

FO sole resistance to hydrocarbons

E energy absorption on seat region

P antiperforation midsole

HRO resistance to hot contact of the outsole

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 37-47 Shoe weight Sz 42 gr. 600

** The calculated weight excludes laces and insoles.*



↪ **AREAS OF APPLICATION**

 Electrician

↪ **CERTIFICATIONS APPLIED**



Water Penetration and Absorption (WPA)



ASTM F2413-24



Hydrocarbon Resistance



Insulation up to 20,000V



PS Puncture Resistance with Non-Metallic Insert (nail Ø 3.0mm)



Slip Resistant Sole



Heat-Resistant Sole 300°C Contact



Slip Resistance (mandatory ceramic-Nals test)



Heel Energy Absorption



Puncture-Resistant Plate

↪ **TECHNOLOGIES AND MATERIALS**



No metal



Metal-Free



Mondo Point 11



Slip Resistance (optional glycerin test)

↳ 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).

