

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, 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**

-- The bottom of the shoe, within some limits (no humidity, it doesn't concern the upper), offers electrical resistance against tension up to 1.000V - M 0hm > 1.000

-- Electrical resistance: CSA Z195-14 Canadian standard increase 1 kV/sec - voltage 20.000V /60 hz - duration 1 minute

-- Electrical resistance: ASTM F2413- 24 standard increase 1 kV/sec - voltage 20.000V/60 Hz □ duration 1 minute

Electric flow requirement less than 1,0 mA

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

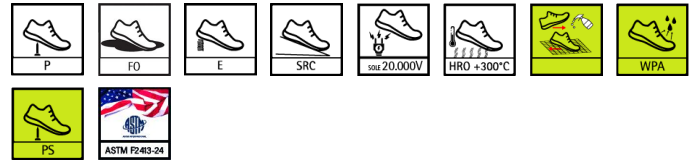
THIS PRODUCT COMPLIES WITH THE REQUIREMENTS OF THE STANDARD ASTM F2413-24:

- 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



CERTIFICATIONS



TECHNOLOGIES AND MATERIALS



SECTORS

 ELECTRICIAN

SOLE



Hard Rock Dielectric is the specific shoe for people who work with **electrical cables** and are more exposed to a danger of electrocution. This is possible thanks to the **rubber** compound of the shoe which assures a complete protection from the discharges from the ground. Thanks to these specific materials we obtained 3 important sector certifications: canadian (**C.S.A. Z195-14**), and american (**ASTM 2413-11**) for the electrical resistance to 20.000V for 1 minute; the European one for the electrical resistance more than 1000MΩ.

SRC

ANTISLIPPING
TEST RESULTS

	request	results
SRA		
ceramic +	HEEL $\geq$ 0,28	0,40
NaLS	FLAT $\geq$ 0,32	0,40
SRB		
steel +	HEEL $\geq$ 0,13	0,17
glycerol	FLAT $\geq$ 0,18	0,22*



**after simulation of walking by slight abrasion*