

# FRANKLIN SB FO E P WRU HRO

HRD052T

CE UNI EN ISO 20345:2012 SB FO E P WRU HRO SRC

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 -  $M \Omega > 1.000$

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

-- Electrical resistance: ASTM F2413-11 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

**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
<b>SRA</b>		
ceramic +	HEEL $\geq$ 0,28	0,40
NaLS	FLAT $\geq$ 0,32	0,40
<b>SRB</b>		
steel +	HEEL $\geq$ 0,13	0,17
glycerol	FLAT $\geq$ 0,18	0,22*



SRA+SRB=

**SRC**

ANTI-SLIPPING SOLE

\*after simulation of walking by slight abrasion