

EDISON SB FO E P CI HI WRU HRO

HRD060D

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

High safety shoe, WRU back leather and heel in anti-scratch leather thickness 1,8-2,0 mm, with refracting fabric insert. 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

CI cold insulation of sole complex -17°C

HI heat insulation of sole complex

HRO resistance to hot contact of the outsole

Size 37-48 Shoe weight Sz 42 gr. 625



CERTIFICATIONS



TECHNOLOGIES AND MATERIALS



SECTORS

 ELECTRICIAN  COLD PLACES

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 + NaLS	HEEL \geq = 0,28 FLAT \geq = 0,32	0,40 0,40
SRB steel + glycerol	HEEL \geq = 0,13 FLAT \geq = 0,18	0,17 0,22*



SRA+SRB=

SRC
ANTI-SLIPPING SOLE

*after simulation of walking by slight abrasion

PLUS



ZERO ABRASION

The Zero Abrasion technology is an anti-scratch leather, finished with a polyurethane multi-layer, that assures a complete protection of the upper against usury and abrasion. Highly resistant to water and oils, this leather is suitable for people who like wearing always clean and nice shoes even after months of usage.