



HARD ROCK INSULATING PU

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 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 hydrolysis ISO 5423:92, 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 37-47 Shoe weight Sz 42 gr. 625

MATERIALS



TECHNOLOGIES



SECTORS



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.

PLUS



VERY GOOD

SRA ceramic + NaLS	HEEL \geq 0,28 FLAT \geq 0,32	0,48 0,44
SRB steel + glycerol	HEEL \geq 0,13 FLAT \geq 0,18	0,22 0,20