

# sofamel

Product Technical Specifications

## Model DB3

Insulating dielectric boots



### Functionality

Electrically insulating dielectric boots Class 3 (EN 50321- 1:2018) with integral steel toecap. DB3 dielectric boots allow for live work up to 26.5 kV with each boot tested to 30 kV.

### Product Features

- Lightweight design for greater user comfort.
- Flexibility at low temperatures down to -40°C.
- Tunnel system for energy absorption in the heel and ergonomic cushioning insole (removable and machine washable) for greater user comfort.
- High visibility green HV3 composite upper.
- Meets ASTM 1117 (20 kV) and ASTM F2413 requirements.
- Temperature range: -40°C to +70°C.
- Service life more than 5 years.





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### Electrical protection

DB3 boots are within Class 3 AC, test methods described in EN 50321-1:2018. They withstand 40,000 volts (40 kV) throughout the boot and at 30 kV the current leakage is less than 18 mA. In addition, DB3 boots meet the requirements of ASTM F1117 and withstand 20 kV for more than 3 minutes.

### Certificates

Compliant with regulations:

- - CE marking.
- - EN ISO 20345:2011.
- - SB: certifies that the boot complies with the basic requirements of EN ISO 20345:2011 for fully polymeric (i.e. fully molded) footwear.
- - E: "E" classification indicates energy absorbing heel.
- - CI: indicates cold insulation.
- - SRC: indicates slip resistance according to EN 13287 on soaped ceramic tiles.
- - Double red triangle: means that they are suitable for working with class 3 electric current according to EN 50321:2018 suitable for 26.5 kV working voltage.