

DIELECTRIC BOOTS – CLASS 2 – 17,5 kV – ARTICLE : TST-CL2-...

An electrically insulating dielectric boot with an integral steel toe cap and vulcanised rubber sole for superior slip resistance. The dielectric boot allows high-voltage live working at up to **17kV**, with every boot tested at 20kV AC, with optional DC testing at 40kV (Class 1).

Features

- Injection moulded using our proprietary **Dielectric compound** for a seamless boot with excellent electrical insulation properties
- **Step voltage protection** up to 35kV*
- **Arc flash protection** – Meets the requirements of ASTM F2621-2019 at 40Cal/cm²**
- 200 Joule epoxy coated steel **toe cap** (soft toe version also available)
- **Vulcanized rubber sole** for improved slip resistance - 30% better than a conventional safety boot sole
- **Durable, cut-resistant** vulcanised rubber sole, significantly extends working life, even in harsh terrain
- Cleated outsole for **maximum grip** in wet and oily conditions (**SR**)
- **Heat resistant sole** EN 20345:2022 **HRO**, 60 seconds at 300°C
- **Cold insulation** to EN ISO 20345:2022 **CI**
- **Fuel and oil resistant** sole
- Ergonomic **cushioned insole** (removable & machine washable) for greater wearer comfort
- **Energy absorbing** tunnel system in heel to EN 20345:2022 E
- Non-wicking knitted nylon lining
- Kick-off lug
- Adjustable height
- CE marked on the shaft with date and year of manufacture
- REACH Compliant

Care

- Machine washable at up to 40°C
- Shelf life of over 10 years

Options

- Additional DC high voltage test
- Removable thermal liner

High Voltage Test

Each boot: **20kV AC** - Leakage current <18mA over the three minute test cycle

Certification

EN ISO 20345:2022 SB E CI HRO SR FO Safety Footwear
EN 50321-1:2018 Class 2 AC Electrically Insulating Footwear for Live Working
ASTM F1117 (20kV) Dielectric Footwear
ASTM 2413 EH (18kV) Step Voltage Protection
PPE Regulation (EU) 2016/425 Personal Protective Equipment

*Tested using the ASTM 2412-18a step voltage test method at 35kV with leakage current less than 1mA.

**The dielectric boot has been independently tested and meets the test requirements of ASTM F2621-2019.

Sizes

EU	35	36	37	39	41	42	43	44	45	46	47	49	50
UK	3	4	5	6	7	8	9	10	11	12	13	14	15
US	4	5	6	7	8	9	10	11	12	13	14	15	16
Art	TST-CL2-35	TST-CL2-36	TST-CL2-37	TST-CL2-39	TST-CL2-41	TST-CL2-42	TST-CL2-43	TST-CL2-44	TST-CL2-45	TST-CL2-46	TST-CL2-47	TST-CL2-49	TST-CL2-50



40
Cal/cm²
ARC FLASH TESTED