

Dielectric Shoes

Introduction

Elecsafe dielectric shoes are completely electrically insulated footwear designed to give added protection who are at risk due to electrical shocks during operations. Dielectric shoes offers unique protection when compared to the usual industrial safety shoes like:

- Insulating properties for complete footwear & not just for soles.
- 100% waterproof



Elecsafe Advantage

Elecsafe range of dielectric shoes meets international standards as per EN 50321 ASTM standard F2413 05, ASTM F1116 F1117-08 & PPE ISO 20345-1 with DIR 89/686/EEC TOE CAP 200

- It is made with epoxy coated steel toe which can withstand 200 joules.
- Specially designed rubber cleated out sole for maximum grip & slip resistance.
- Oil Resistant vulcanized rubber sole for maximum grip, minimum wear & improved cut resistance.
- Heat resistant upto 300deg Celsius for 30 sec.
- Complete boot tested at 20kV, 3 mins and 10 kV for 8hours.
- Sole tested for 35 kV upto 3 minutes.
- Shelf life - more than 10 years.
- Shaft is made from yellow Polyflex dielectric compound having following durability features:
 - Lining - Washable knitted nylon (seamless).
 - Insole - Moisture absorbing, machine washable.



Operating Voltages in AC	Withstand Voltage	Leakage Current
≤ 1000	10,000	5 mA/ boot (5kV)
≤ 7500	20,000	10 mA/ boot (10kV)
≤ 17000	30,000	13 mA/ boot (20kV)

All above parameter are tested as per EN 50321

Applications:

Power utilities, railways, electrical sub station, electrical operations- indoors as well as outdoors.



DIELECTRIC SHOES

CONFORMING TO IEC-50321 & ASTM D-1117,1116

S.No.	Product Code	Product Discription	Size EN	Max. Working voltage (Volts)	Proof Test Voltage (Volts)	Leakage Current At Proof Voltage (mA)
1	ES-DS-07	Dielectric Shoes-7	7	20kV	35kV	2.47
2	ES-DS-08	Dielectric Shoes-8	8			
3	ES-DS-09	Dielectric Shoes-9	9			
4	ES-DS-10	Dielectric Shoes-10	10			