

# DIN EN ISO 20347:2012-05 (E)

## Personal protective equipment - Occupational footwear (ISO 20347:2012)

---

Contents	Page
Foreword .....	3
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC .....	31
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions .....	4
4 Classification and designs .....	9
5 Basic requirements for occupational footwear .....	11
5.1 General .....	11
5.2 Design .....	13
5.3 Whole footwear .....	13
5.4 Upper .....	15
5.5 Vamp and quarter lining .....	17
5.6 Tongue .....	18
5.7 Insole and insock .....	18
5.8 Outsole .....	19
6 Additional requirements for occupational footwear .....	20
6.1 General .....	20
6.2 Whole footwear .....	21
6.3 Upper -- Water penetration and absorption .....	24
6.4 Outsole .....	24
7 Marking .....	25
8 Information to be supplied .....	26
8.1 General .....	26
8.2 Electrical properties .....	27
8.3 Insocks .....	28
Annex A (normative) Hybrid footwear .....	29
Bibliography .....	33