

ISO 20345:2011-12 (E)

Personal protective equipment - Safety footwear

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Classification and designs	6
5	Basic requirements for safety footwear	8
5.1	General	8
5.2	Design	10
5.3	Whole footwear	11
5.4	Upper	14
5.5	Vamp and quarter lining	16
5.6	Tongue	17
5.7	Insole and insock	17
5.8	Outsole	18
6	Additional requirements for safety footwear	19
6.1	General	19
6.2	Whole footwear	20
6.3	Upper -- Water penetration and absorption	24
6.4	Outsole	24
7	Marking	24
8	Information to be supplied	25
8.1	General	25
8.2	Electrical properties	26
8.3	Insocks	27
Annex A (normative) Hybrid footwear		28
Bibliography		30