

EN ISO 20345:2022

New standard for safety footwear



Basic requirements, SB



Toe cap, tested via 200 J drop test and 15 KN pressure test



Resistance, safety and capacity of materials



Ergonomics and comfort of the footwear



Slip resistance on ceramic tile floors with SLS

Marking in accordance with EN ISO 20345:2022

Symbol	Requirement	SB	S1	S1P	NEW S1PL	NEW S1PS	S2	S3	NEW S3L	NEW S3S	NEW S6	NEW S7	NEW S7L	NEW S7S
-	Basic requirements	■	■	■	■	■	■	■	■	■	■	■	■	■
-	Closed seat region		■	■	■	■	■	■	■	■	■	■	■	■
E	Energy absorption of seat region		■	■	■	■	■	■	■	■	■	■	■	■
A	Antistatic footwear		■	■	■	■	■	■	■	■	■	■	■	■
P	Perforation resistance, metallic insert, tested with 4.5mm test nail			■				■				■		
NEW PL	Perforation resistance, non-metallic insert, tested with 4.5mm test nail				■				■				■	
NEW PS	Perforation resistance, non-metallic insert, tested with 3.0mm test nail					■				■				■
NEW WPA	Water penetration and absorption of upper material						■	■	■	■	■	■	■	■
WR	Whole shoe water-resistant										■	■	■	■

Additional requirements



FO Fuel resistance and oil resistance



CI Cold insulation of the sole complex



CR Cut resistance of shoe upper



**NEW
SC** Abrasion resistance of optional overcaps



HRO Heat resistance of the outsole



M Metatarsal protection



C Conductive footwear



**NEW
SR** Slip resistance on ceramic tile floors with glycerol



HI Heat insulation of the sole complex



AN Ankle protection



**NEW
LG** Outsole provide hold on ladders