Understand the new standard, EN ISO 20345:2022

MASCOT® FOOTWEAR

MASCOT's safety footwear is certified in accordance with the European standard for safety footwear, EN ISO 20345.

But what does it actually mean for safety footwear to hold this certification S1PL SR FO ESD ?
The certification is comprised of both a safety class and a number of other properties.

	Certification	=	safety class	+	other properties
E.g. :	Certification	=	S1PL	+	SR FO ESD

Below is an overview of the safety classes and what the individual safety classes tell you. MASCOT primarily offers safety footwear in the safety classes S1PL, S1PS, S3S and S7S.

Safety classes	SB	S1	S1P	S1PL	S1PS	S2	S3	S3L	S3S	S4*	S5*	S5L*	S5S*	S6	S7	S7L	S7S
Approved in accordance with EN ISO 20345:2022	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Protective toe cap	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Slip resistant	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shock-absorbing (E)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Closed heel area		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Antistatic (A)		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Metal nail protection (Ø=4.5mm) (P)			•				•				•				•		
Textile nail protection (Ø=4.5mm) (PL)				•				•				•				•	
Textile nail protection (Ø=3mm) (PS)					•				•				•				•
Water repellent and breathable (WPA)						•	•	•	•								
Outsole with cleats							•	•	•		•	•	•		•	•	•
Waterproof (WR)														•	•	•	•

*Class II: Fully moulded boots in PVC, PU or EVA that are waterproof.

Other properties:

Beyond the safety class, other requirements can also be placed on safety footwear based on a general purpose or working conditions – and for this reason, the certification can also cover other properties beyond the actual safety class itself. These other properties can include the following:

E Shock-absorbing

A Antistatic

P Metal nail protection (Ø=4.5mm)

PL Textile nail protection (Ø=4.5mm)

PS Textile nail protection (Ø=3mm)

WPA Water repellent and breathable

WR Waterproof

FO Oil and fuel resistant sole

HRO Heat-resistant outsole compound

HI Heat insulation

CI Cold insulation

M Metatarsal protection

AN Ankle protection

CR Cut-resistant upper

C Partially conductive

LG Ladder grip

SC Scuff cap abrasion

SR Slip resistant

ESD