Safety Footwear

EN 20345

CLAD
WORKWEAR & PPE SPECIALISTS

EN 20345 specifies basic and additional (optional) requirements for safety footwear

EN 20346 specifies basic and additional (optional) requirements for protective footwear

EN 20347 specifies basic and additional (optional) requirements for occupational footwear

Basic requirements - Safety footwear must have a 200J toecap. Other properties:	
	P - Penetration Resistance **C -** Conductive **A -** Antistatic **HI -** Insulating Against Heat **CI -** Insulating Against Cold **E -** Energy Absorbing Seat Region **WRU -** Uppers Resistant to Water Penetration / Absorption **HRO -** Outsole Resistant to Hot Contact
Classification I	Made from leather and other materials but not all-rubber or all-polymeric types
	SB - Basic requirements for safety footwear met **S1 -** Basic requirements plus closed and energy absorbing seat region, and anti-static **S2 -** as S1 plus water penetration and absorption **S3 -** as S2 plus penetration resistance and cleated sole
Classification II	All-rubber or all-polymeric types
	SB - Basic requirements for safety footwear met **S4 -** Basic requirements plus energy absorbing seat region, and anti-static **S5 -** As S4 plus penetration resistance and cleated sole

Slip resistance ratings for industrial PPE footwear in Europe			
Marking symbols and specifications			
Marking	**Footwear slip resistant on**	**Minimum co-efficient of friction by ISO 13287:2012**	
		Forward heel slip	**Forward flat slip**
SRA	Ceramic tile with 0.5% SLS solution	0.28	0.32
SRB	Steel with 90% glycerine	0.13	0.18
SRC	Both the above	Both the above on respective surfaces	Both the above on respective surfaces

Footwear Size Conversions

UK	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Europe	34	35	36	37	38	39	41	42	43	44	46	47	48	49	50	51

Read more on Clad Safety's Safety Standards Guide **here.**