



Categories & Symbols of Safety Footwear

Categories & symbols of safety, protective or occupational footwear, with regard to basic & additional requirements defined in related standards, are listed below:

| CATEGORY OF FOOTWEAR | | | | |
|----------------------|--------------|--------------|---------|---|
| Safety | Protective | Occupational | Class | Requirements |
| EN ISO 20345 | EN ISO 20346 | EN ISO 20347 | | |
| SB | PB | OB | I or II | Basic requirements |
| S1 | P1 | O1 | I | * Closed seat region Antistatic properties Energy absorption of seat region & Resistance to fuel oil |
| S2 | P2 | O2 | I | As S1 or P1 or O1, plus: Water penetration and absorption |
| S3 | P3 | O3 | I | As S2 or P2 or O2, plus: Penetration resistance & Cleated outsole |
| S4 | P4 | O4 | II | * Closed seat region Antistatic properties. Energy absorption of seat region & Resistance to fuel oil |
| S5 | P5 | O5 | II | As S4 or P4 or O4 plus: Penetration resistance & Cleated outsole |

Source: EN ISO 20345:2011, EN ISO 20346:2004, EN ISO 20347:2011

Additional requirements with the appropriate symbols for marking include:

Requirements related to the whole footwear:

P - Penetration resistance (footwear with anti-penetration insert);

C - Conductive footwear;

A - Antistatic footwear (Take note, that antistatic footwear cannot guarantee adequate protection against related electric shock as it only introduces a resistance between foot & floor);

I - Electrically insulating footwear;

HI - Heat insulation (Soles resistant to heat environment conditions);

CI - Cold insulation (Soles resistant to cold environment conditions);

E - Energy absorption of seat region;

WR - Water resistance;

M - Metatarsal protection (requirement related only to safety & protective footwear);

AN - Ankle protection;

CR - Cut resistance

WRU – Water Penetration & Absorption (Requirement Related to Upper)

HRO – Resistance to Hot Contact (Requirement Related to Outsole)

FO – Resistance to Fuel Oil (Requirement Related to Outsole)

IMPORTANT: Additional Requirement is also as per IS 15298 (Part 2): 2016 TABLE 18