SLIP RESISTANCE RATINGS FOR INDUSTRIAL PPE FOOTWEAR
Marking symbols and specifications

<table>
<thead>
<tr>
<th>Marking</th>
<th>Footwear slip resistant on</th>
<th>Minimum coefficient of friction by ISO 13287:2006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Forward heel slip</td>
</tr>
<tr>
<td>SRA</td>
<td>Ceramic tile with 0.5% sodium lauryl sulphate solution</td>
<td>0.28</td>
</tr>
<tr>
<td>SRB</td>
<td>Steel floor with 90% glycerine solution</td>
<td>0.13</td>
</tr>
<tr>
<td>SRC</td>
<td>Tested on ceramic and steel floors with % solutions as above</td>
<td>Both the above on respective surfaces</td>
</tr>
</tbody>
</table>


Choosing the Right Footwear

Most workplaces have varying requirements for the provision of safety footwear, which is why we offer a comprehensive range within which you should be able to identify appropriate footwear to meet the needs of your workforce whatever the hazards identified in your risk assessment.

Whilst protection is paramount it is recognised that with long wear periods, often in hostile conditions, wearer acceptance, design, brand and comfort are additional considerations. We therefore offer varying styles from executive shoes to heavy duty rigger boots, and leading brands such as Dr Martens, Rock Fall®, uvex, Elten, Ejendals and Dunlop® alongside our increasingly popular and cost effective Tuf Revolution and Tuf ranges.

Slip Resistance

Slips, trips and falls are an ever present hazard within most workplaces and safety footwear can play its part in preventing injury, particularly from slips, by featuring slip-resistant soles. With regard to current testing, the now established EN ISO 13287 with its progressive SRA, SRB and SRC ratings are commonly used. Details of the EN ISO 13287 testing requirements are shown in the table below:
HEALTH & SAFETY GUIDELINES

The standard requires the inclusion of a 200 joule toecap for impact protection. In addition to the over arching requirements of the standards there are a number of ratings which assist selection of footwear appropriate for varying workplace hazards. Also included where relevant EN 61340-5-1: 2007 ESD performance.

**SB**  Safety basic footwear meeting all the minimum requirements of the standard

**S1**  Additionally featuring anti-static properties and fully enclosed and energy absorbing heel unit

**S2**  Additionally featuring the use of water resistant leather

**S3**  Additionally featuring cleated outsole and pierce resistant midsole

**S4**  Rubber or polymeric waterproof footwear with 200 joule toecap, anti-static properties and energy absorbing heel unit

**S5**  Additionally featuring cleated outsole and pierce resistant midsole

**SBP**  SB and P (upward penetration protection)

**S1P**  S1 and P (upward penetration protection)

Additional protective features can be built into the footwear and are identified by the following:

- **P**  Protection from upward penetration provided by a composite or steel midsole (not used in conjunction with S3 or S5)
- **M**  Metatarsal impact protection
- **C**  Conductive properties helping to prevent the build-up of static (but no protection against electric shock)
- **A**  Anti-static properties to prevent the build-up of static and give limited protection against electric shock from nominal mains voltage
- **HI**  Insulation against heat
- **CI**  Insulation against cold
- **E**  Energy absorption in heel unit
- **WRU**  Water-resistant uppers
- **HRO**  Outsole resistance to hot contact up to 300°C

**ADDITIONAL SAFETY FEATURES**

Should our safety footwear offer any additional protective features, then the appropriate symbol will be added.

- Footwear available in ladies’ sizes
- **SRA**  Tested on ceramic tile floor with sodium lauryl solution
- **SRB**  Tested on steel floor with glycerine solution
- **SRC**  SRB rating. Tested on both ceramic tile and steel floors
- **SRC**  SRC rating.* Tested on both ceramic tile and steel floors
- **S**  Footwear with anti-static soles
- **COLD**  Cold resistance
- **HOT**  Heat resistant outsole compound tested to 300°C
- **ENERGY**  Footwear with energy absorption of the seat region tested at 20 Joules
- **METATARSAL**  Footwear with Metatarsal protection – 100 Joules impact energy
- **TOECAP**  Footwear with safety toecap
- **WATER**  Waterproof footwear
- **WR**  Water-resistant uppers
- **HRO**  Outsole resistance to hot contact up to 300°C

*Tested to both SRA & SRB rating.