



|                         |                  |
|-------------------------|------------------|
| <b>Prod. Ref.</b>       | SD050-000        |
| <b>Safety cat.</b>      | S3 SRC           |
| <b>Range of sizes</b>   | 36 - 48 (3 - 13) |
| <b>Weight (sz. 8)</b>   | 640 g            |
| <b>Shape</b>            | B                |
| <b>Width (3 - 6)</b>    | 10               |
| <b>Width (6,5 - 13)</b> | 11               |

**Description:** Black water repellent printed leather ankle boot, textile lining, antistatic, anti-shock, slipping resistant, with stainless steel midsole

**Plus:** Thermoformed, punched and coated with highly breathable fabric footbed. Antistatic thanks to seams made of conductive yarns. Bellows tongue. Padded collar

**Suggested uses:** Construction, maintenance, industries

**Care and maintenance:** Clean after each use and dry off away from direct heat. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

### MATERIALS / ACCESSORIES

|                      |                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Complete shoe</b> | <b>Toe cap:</b> steel made, varnished with epoxy resin, impact resistant until 200 J and compression resistant until 1500 kg                                                                                                                                             |
|                      | <b>Anti perforation midsole:</b> stainless steel, penetration resistance, varnished with epoxy resin                                                                                                                                                                     |
|                      | <b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges                                                                                                                                                                                   |
| <b>Upper</b>         | <b>Energy absorption system</b><br>Black water repellent printed leather<br>thickness 1,6/1,8 mm                                                                                                                                                                         |
| <b>Vamp</b>          | Felt, breathable, colour dark grey                                                                                                                                                                                                                                       |
| <b>lining</b>        | thickness 1,2 mm                                                                                                                                                                                                                                                         |
| <b>Quarter</b>       | 100% polyamide fabric, breathable, abrasion resistant, colour fluo yellow                                                                                                                                                                                                |
| <b>lining</b>        | thickness 1,2 mm                                                                                                                                                                                                                                                         |
| <b>Insole</b>        | Antistatic, absorbent, abrasion and flaking resistant                                                                                                                                                                                                                    |
| <b>Sole</b>          | Antistatic dual-density Polyurethane directly injected in the upper:<br>Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,<br>Midsole: black, low density, comfortable and anti-shock<br>Adherence coefficient of the sole |

### SAFETY TECHNICAL SPECIFICATIONS

| Clause<br>EN ISO<br>20345:2011 | Description                                                  | Unit            | Cofra<br>result  | Requirement |
|--------------------------------|--------------------------------------------------------------|-----------------|------------------|-------------|
| 5.3.2.3                        | Shock resistance (clearance after shock)                     | mm              | <b>15,5</b>      | ≥ 14        |
| 5.3.2.4                        | Compression resistance (clearance after compression)         | mm              | <b>15,5</b>      | ≥ 14        |
| 6.2.1                          | Penetration resistance                                       | N               | <b>1245</b>      | ≥ 1100      |
| 6.2.2.2                        | Electric resistance                                          |                 |                  |             |
|                                | - wet                                                        | MΩ              | <b>197</b>       | ≥ 0.1       |
|                                | - dry                                                        | MΩ              | <b>841</b>       | ≤ 1000      |
| 6.2.4                          | Shock absorption                                             | J               | <b>34</b>        | ≥ 20        |
| 5.4.6                          | Water vapour permeability                                    | mg/cmq h        | <b>&gt; 2,6</b>  | ≥ 0,8       |
|                                | Permeability coefficient                                     | mg/cmq          | <b>&gt; 28,3</b> | > 15        |
| 6.3.1                          | Water absorption                                             |                 | <b>13%</b>       | ≤ 30%       |
|                                | Water penetration                                            |                 | <b>0,0 g</b>     | ≤ 0,2 g     |
| 5.5.3                          | Water vapour permeability                                    | mg/cmq h        | <b>&gt; 4,4</b>  | ≥ 2         |
|                                | Permeability coefficient                                     | mg/cmq          | <b>&gt; 39,4</b> | ≥ 20        |
| 5.5.3                          | Water vapour permeability                                    | mg/cmq h        | <b>&gt; 9,2</b>  | ≥ 2         |
|                                | Permeability coefficient                                     | mg/cmq          | <b>&gt; 74,9</b> | ≥ 20        |
| 5.7.4.1                        | Abrasion resistance                                          | cycle           | <b>&gt; 400</b>  | ≥ 400       |
| 5.8.3                          | Abrasion resistance (lost volume)                            | mm <sup>3</sup> | <b>46</b>        | ≤ 150       |
| 5.8.4                          | Flexing resistance (cut increase)                            | mm              | <b>1</b>         | ≤ 4         |
| 5.8.6                          | Interlayer bond strength                                     | N/mm            | <b>4,2</b>       | ≥ 4         |
| 6.4.2                          | Hydrocarbons resistance (ΔV = volume increase)               | %               | <b>2</b>         | ≤ 12        |
| 5.3.5                          | SRA : ceramic + detergent solution – flat                    |                 | <b>0,36</b>      | ≥ 0,32      |
|                                | SRA : ceramic + detergent solution – heel (contact angle 7°) |                 | <b>0,31</b>      | ≥ 0,28      |
|                                | SRB : steel + glycerol – flat                                |                 | <b>0,19</b>      | ≥ 0,18      |
|                                | SRB : steel + glycerol – heel (contact angle 7°)             |                 | <b>0,14</b>      | ≥ 0,13      |