

**Prod. Ref.** 18540-002  
**Safety cat.** S3L FO SR  
**Range of sizes** 35 - 48 (2 - 13)  
**Weight (sz. 8)** 455 g  
**Shape** A  
**Width** 11

**Description:** black/lime high tenacity fabric, partly made of ecological yarns, water repellent fabric shoe, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

**Plus:** **One piece upper without stitching.** **FOOT-PAD** footbed, extremely soft and comfortable footbed. Thanks to the very low density polyurethane, the footbed is self-molding granting a right distribution of the body weight and providing an immediate feeling of comfort. High shock absorption is provided from highly resilient material and a perfect cushion in the central area of the heel. Perfumed sole. **TPU toe cap protection**

**Suggested uses:** Construction, maintenance, warehouses, transportation sector, 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

## SAFETY TECHNICAL SPECIFICATIONS

|               |                                                                                                                                                                                                                              | Clause<br>EN ISO<br>20345:2022 | Description                                                   | Unit            | Cofra<br>result                           | Requirement |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------|-----------------|-------------------------------------------|-------------|
| Complete shoe | <b>Toe cap:</b> <b>ALUMINIUM</b> made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg                                                                                                     | 5.3.2.6                        | Shock resistance (clearance after shock)                      | mm              | <b>15</b>                                 | ≥ 14        |
|               |                                                                                                                                                                                                                              | 5.3.2.7                        | Compression resistance (clearance after compression)          | mm              | <b>18</b>                                 | ≥ 14        |
|               | <b>Anti perforation midsole:</b> in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b>                                                                                                       | 6.2.1                          | Penetration resistance<br>(PL requirement with Ø 4,5 mm nail) | N               | <b>To 1100 N</b><br><b>No perforation</b> | ≥ 1100      |
|               |                                                                                                                                                                                                                              |                                |                                                               |                 |                                           |             |
|               | <b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges                                                                                                                                       | 6.2.2.2                        | Electric resistance                                           |                 |                                           |             |
|               |                                                                                                                                                                                                                              |                                | - wet                                                         | MΩ              | <b>79,6</b>                               | ≥ 0.1       |
|               |                                                                                                                                                                                                                              |                                | - dry                                                         | MΩ              | <b>325</b>                                | ≤ 1000      |
|               | <b>Energy absorption system</b>                                                                                                                                                                                              | 6.2.4                          | Shock absorption                                              | J               | <b>26</b>                                 | ≥ 20        |
| Upper         | high tenacity fabric, partly made of ecological yarns, water repellent, colour black/lime                                                                                                                                    | 5.4.6                          | Water vapour permeability                                     | mg/cmq h        | <b>&gt; 11,3</b>                          | ≥ 0,8       |
|               |                                                                                                                                                                                                                              |                                | Permeability coefficient                                      | mg/cmq          | <b>&gt; 91,5</b>                          | ≥ 15        |
|               |                                                                                                                                                                                                                              | 6.3                            | Water absorption                                              |                 | <b>91%</b>                                | ≤ 30%       |
|               |                                                                                                                                                                                                                              |                                | Water penetration                                             |                 | <b>0,2 g</b>                              | ≤ 0,2 g     |
| Vamp          | Textile, breathable, abrasion resistant, colour black                                                                                                                                                                        | 5.5.4                          | Water vapour permeability                                     | mg/cmq h        | <b>&gt; 6,3</b>                           | ≥ 2         |
|               |                                                                                                                                                                                                                              |                                | Permeability coefficient                                      | mg/cmq          | <b>&gt; 51,1</b>                          | ≥ 20        |
| Quarter       | <b>SANY-DRY®</b> , breathable, abrasion resistant, colour black                                                                                                                                                              | 5.5.4                          | Water vapour permeability                                     | mg/cmq h        | <b>&gt; 10,3</b>                          | ≥ 2         |
|               |                                                                                                                                                                                                                              |                                | Permeability coefficient                                      | mg/cmq          | <b>&gt; 82,8</b>                          | ≥ 20        |
| Sole          | Antistatic Polyurethane/TPU directly injected in the upper:<br>Outsole: black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.<br>Midsole: lime polyurethane, low density, comfortable and anti-shock | 5.8.4                          | Abrasion resistance (lost volume)                             | mm <sup>3</sup> | <b>89</b>                                 | ≤ 150       |
|               |                                                                                                                                                                                                                              | 5.8.5                          | Flexing resistance (cut increase)                             | mm              | <b>1,6</b>                                | ≤ 4         |
|               |                                                                                                                                                                                                                              | 5.8.7                          | Interlayer bond strength                                      | N/mm            | <b>3,1</b>                                | ≥ 3         |
|               |                                                                                                                                                                                                                              | 6.4.2                          | Hydrocarbons resistance (ΔV = volume increase)                | %               | <b>6,5</b>                                | ≤ 12        |
|               |                                                                                                                                                                                                                              | 5.3.5.2                        | ceramic + detergent solution – forepart (contact angle 7°)    |                 | <b>0,40</b>                               | ≥ 0,36      |
|               |                                                                                                                                                                                                                              |                                | ceramic + detergent solution – heel (contact angle 7°)        |                 | <b>0,33</b>                               | ≥ 0,31      |
|               |                                                                                                                                                                                                                              | 6.2.10                         | SR : ceramic + glycerol – forepart (contact angle 7°)         |                 | <b>0,26</b>                               | ≥ 0,22      |
|               |                                                                                                                                                                                                                              |                                | SR : ceramic + glycerol – heel (contact angle 7°)             |                 | <b>0,24</b>                               | ≥ 0,19      |
|               | Adherence coefficient of the sole (Slip resistance)                                                                                                                                                                          |                                |                                                               |                 |                                           |             |