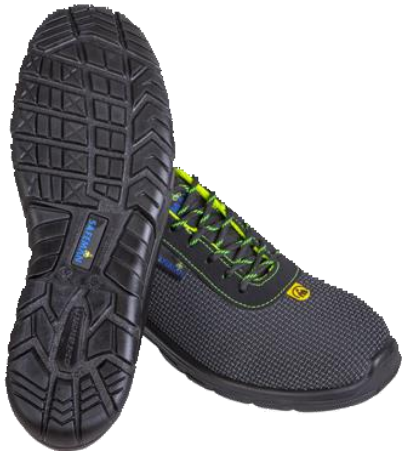
# 301/1 Murgia S3 ESD SRC

EN ISO 20345:2011 Sizes: 35-48 Designed in Italy

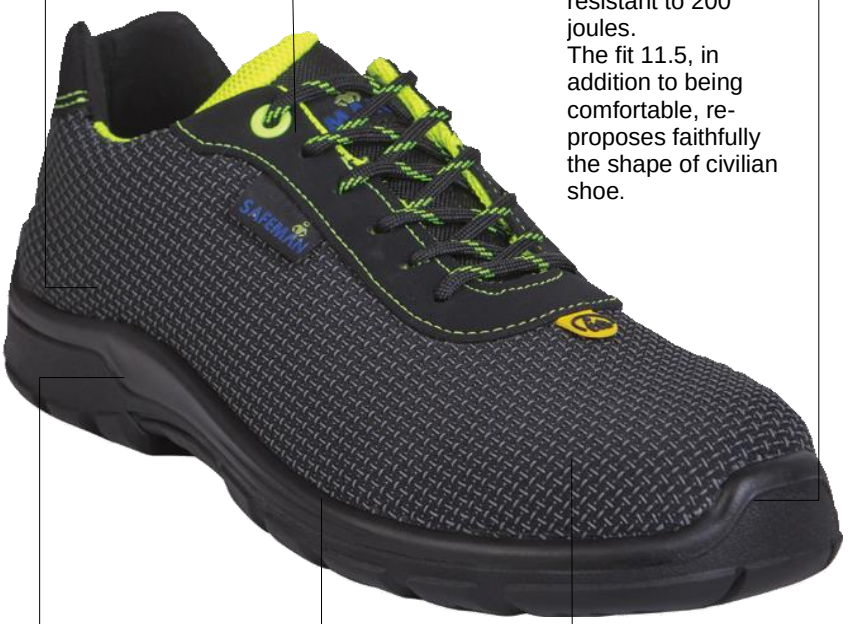
SAFEMAN by De Nittis Group

Metal Free | Extra Light | Ergonomic sole | ESD



Inner lining in breathable fabric.

Polycarbonate eyelets extremely resistant to pressure



**Toe Cap**
Shattered toe cap in composite material resistant to 200 joules.
The fit 11.5, in addition to being comfortable, re-proposes faithfully the shape of civilian shoe.

**PU Super Soft**
Ultra-light Super soft and extremely flexible antistatic polyurethane sole for a high level of comfort. The thred, abration resistant to oils and to hydrocarbons, has excellent endurance qualities to splipping. (soft insole, anatomical, antibacterial, antistatic, with antifungal support, antitallonite)

**Foil**
Insole in ballistic fabric anti-perforation 0 mm Perforation in accordance with EN 20345:2011
(Nail 4.5 mm l – 1100 N)

**Upper**
Made entirely in extremely light and three-dimensional tear resistance and abrasion fabric.
Very breathable and water repellent (S3).
Chaplet made of durable microfiber tearproof.

Latex finger guard for better protection of the phalanges.

**Specification**

| | |
|---|---|
| EU Regulation | EN ISO 20345:2011, S3 ESD SRC |
| Footowear height | H 80 mm low footwear |
| Fit | 11 Mondoprint |
| Weight | 490 g (Size 42) |
| Size range | 35-48 |
| Construction | STROBEL-PU |
| Suggested field | Mechanics, construction, logistics, light indus. |

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| Description | Value | Norm Requirements | EN20345 |
|---|---|---|---|
| **Upper - Putek Spider (Lenzi) fabric** | | | |
| Tear resistance | 195 N | ≥ 60 N | 5,4,3 |
| Water steam permeability | 6 mg/cm² | ≥ 0,8 mg/cm² | 5,4,6 |
| **3D open cell fabric** | | | |
| Tear resistance | 24 N | ≥ 15 N | 5,5,1 |
| Abration resistance | 51,000 Cycles | 25,600 cicli | 5,5,2 |
| Water steam permeability | 9,4 mg/cm² | ≥2 mg/cm² | 5,5,3 |
| Dimethifumarate (DMF) | N/A | ≤ 0,01mg/kg | |
| Chromium VI<br>EN ISO 17075-1 2017 | N/A | | |
| **Removable footbed with foam heel** | | | |
| Thickness | 2,0 mm | N/A | 5,7,1 |
| Deassorption of water | 90% | ≥ 80% | 5,7,3 |
| Water absorption | 80 mg/cm² | ≥ 70% | 5,7,3 |
| Abration resistance (after 400 cycles) | n.d. | No damage | 5,7,4,1 |
| Chromium VI<br>EN ISO 17075-1 2017 | N/A | | |
| **Non metallic toe cap EN 12568** | | | |
| Impact resistance (200 J)<br>* Free height after impact | 14,5 mm | ≥ 14 mm | 5,3,2,3 |
| Compression resistance<br>* Free height after impact | 14,5 mm | ≥ 14 mm | 5,3,2,4 |
| **Textile foil K18 ZERO AS Tessiltoschi** | | | |
| Puncture resistance | 1430 N | ≥ 1100 N | 6,2,2 |
| **PU low density Supersoft** | | | |
| Tear resistance | 11 kN/m | ≥ 8 kN/m | 5,8,2 |
| Abration resistance<br>* relative volume loss | 55 mm³ | ≥ 150 mm³ | 5,8,3 |
| Flexion resistance<br>* Notches increase after 30.000 cycles<br>* Notches increase after 150.000 cycles | <br>< 1,0 mm<br>1,0 mm | <br>≤ 4 mm<br>≤ 6 mm | <br>5,8,4<br>5,8,5 |
| Hydrocarbons resistance<br>* Volume change | 0,80% | ≤ 12% | 5,8,7 |
| Outsole – insole detachments | 4,5 N/mm | ≥ 4,0N/mm | 5,8,6 |
| Energy absorption in the heel area | 32 J | ≥ 20 J | 6,2,4 |

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**CEI EN 61340-5-2016/COR1:2017**

| | | | |
|---|---|---|---|
| Electrical resistance to ground | $5{,}00 \times 10^7$ Ohm | $\leq 1 \times 10^8$ Ohm | 5,3,3 |
| Trasverse resistance | $9{,}13 \times 10^7$ Ohm | $\leq 1 \times 10^8$ Ohm | 5,3,3 |
| Chargeability | 10,19 V | ≤ 100V | 5,3,3 |

Dynamic coefficient of friction EN 13287

**SRA Pressed ceramic tile floor on detergent resistance**

| | | |
|---|---|---|
| Heel (Angle of 7°) | 0,33 | > 0,28 |
| Sole | 0,36 | > 0,32 |

**SRB Stainless steel plate on glycerine resistance**

| | | |
|---|---|---|
| Heel | 0,15 | > 0,13 |