

# TECHNICAL DATA SHEET

MARAIS red Low ESD O1 No. 972060


Sz. 36 - 48



## LABELLING ACCORDING TO STANDARD

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|--|---|
| Standard for occupational shoes<br>EN ISO 20347 O1 | Basic requirement for O1:<br><b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel -<br>Closed heel area  |
| Additional requirements                            | <b>SRC</b> Slip resistance: Slip resistant on floors of ceramic tiles with a sodium lauryl sulfate (SLS) solution and on steel floors with glycerol. When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach.<br><br><b>FO FUEL RESISTANCE</b><br><br><b>HRO HEAT RESISTANT OUTSOLE</b><br>Heat resistance against contact heat, also during short-term high temperatures |


## FORM

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| Occupational work shoe<br> | Form A - in size 42, the upper height must not exceed 11.2 cm. |
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## AREAS OF APPLICATION

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| Areas of application | Dry work areas<br><br>Areas where there is no risk of falling heavy objects<br><br>Areas where there is a risk of electrostatic discharge (ESDS/ESD) |
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## FEATURES

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| ESD equipment        | Thanks to its excellent discharge capability, the shoe is suitable for work in ESD sensitive or electrostatically protected areas (EPA). The shoes comply to the standard 61340-5-1.  |
| Sizes (unisex model) | <ul style="list-style-type: none"> <li>Expanded size range: available in sizes 36 - 48</li> </ul>  |

## FEATURES

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|--|---|
| Certification in accordance with DGUV rule 112-191 | <ul style="list-style-type: none"> <li>• Certified for orthopaedic inserts</li> </ul>  |
| Low weight   | <ul style="list-style-type: none"> <li>• Use of especially light textile materials</li> <li>• Comfortable</li> </ul>  |
| Low weight sole                                    | <ul style="list-style-type: none"> <li>• Comfortable</li> </ul>   |
| Padded upper edge                                  | <ul style="list-style-type: none"> <li>• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.</li> </ul>  |
| Padded tongue                                      | <ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks.</li> </ul>  |
| Leather-free equipment                             | <ul style="list-style-type: none"> <li>• Suitable for persons allergic to leather</li> </ul>  |


## UPPER MATERIAL

|               |  |
|---------------|--|
| Mesh material | <ul style="list-style-type: none"> <li>• Areas of application S1</li> <li>• Synthetic material</li> <li>• Retains its shape</li> <li>• Tear-resistant</li> <li>• Quick drying</li> <li>• Abrasion-resistant and light</li> </ul> |
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## LINING

|                          |   |
|--------------------------|---|
| Breathable fabric lining | <ul style="list-style-type: none"> <li>• Climate-regulating</li> <li>• Good ventilation</li> <li>• Skin-friendly</li> <li>• High absorption and emission of moisture</li> </ul> |
| Heel pocket lining       | <ul style="list-style-type: none"> <li>• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.</li> </ul>              |

## INLAY SOLE

|   |   |
|---|---|
| <p>Full-length inlay sole ESD</p>  | <ul style="list-style-type: none"> <li>• ESD EQUIPMENT: Protection against electrostatic discharge (ESD). The full-length, exchangeable inlay sole is conductive and designed for the use in ESD safety footwear according to the standards DIN EN ISO 20345 and DIN EN 61340-5-1.</li> <li>• The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.</li> <li>• The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.</li> <li>• The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.</li> <li>• Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry.</li> </ul> |
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## INSOLE

ESD soft-fleece insole

ESD equipment: Protection against electrostatic discharge (ESD), and without using additional means fulfilling a bridge function to the outsole.

- Approximately 50 % lighter than comparable soles made of natural materials
- Flexible and shape-retaining
- Good air permeability
- Excellent wear resistance
- High moisture absorption
- Quick drying (virtually overnight)

## OUTSOLE

TRANSFOAMERS double-density sole with profile



- Antistatic
- Excellent slip resistance
- ultralight, very flexible sole

Outsole: Rubber

- Colour: red
- Profile depth: 2.5 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 200°C, for short periods to 300°C
- Flexible at cold temperatures to approx. -20°C
- Oil and fuel resistant
- with rubber inserts for better grip
- Excellent damping qualities
- Low material density, thereby lower weight

Midsole: SCF (Supercritical-Foaming)

- Innovative midsole foam made of EVA and TPU, among other materials, for lightness and durability
- Excellent damping qualities
- Low material density, thereby lower weight