

# TECHNICAL DATA SHEET

**FUSION GTX® S3 CI No. 63481**


**Sz. 6,5 - 12**



## LABELLING ACCORDING TO STANDARD

<p>Standard for safety footwear EN ISO 20345:2022 S3</p>	<p>Basic requirement for S3:  <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - <b>FO</b> Fuel resistance -  <b>WPA</b> Water penetration and absorption -  <b>P</b> Penetration resistance - Closed heel area - Profiled outsole</p>
<p>Additional requirements</p>	<p><b>WR</b> WATER RESISTANCE, entire shoe</p> <p><b>FO</b> FUEL RESISTANCE</p> <p><b>HI</b> HEAT INSULATED</p> <p><b>HRO</b> HEAT RESISTANT OUTSOLE Heat resistance against contact heat, also during short-term high temperatures</p> <p><b>CI</b> COLD INSULATED</p>


## FORM

<p>Safety laced boot</p> 	<p>Form B - in size 42, the upper height must be at least 11.3 cm.</p>
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## AREAS OF APPLICATION

<p>Areas of application</p>	<p>Indoors and outdoors  Areas where exposure to moisture is expected (S2)  Areas where there is a risk of penetration from pointed and sharp objects (S3/S3L/S3S)</p> <p>Cold areas, working in winter, road construction etc.</p> <p>E.g. track construction, difficult terrain, forklift operators / lorry drivers  Activities on different kinds of ground surfaces and terrains  Areas where there is often a risk of twisting the foot</p>
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## FEATURES

<p>Full, padded bellows tongue</p>	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.</li> </ul>
<p>Collar padding</p>	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: the ankle-wrapping, softly padded upper edge provides for stability and grip in the shoe.</li> </ul>
<p>Biomex Protection<sup>®</sup> plastic cuff</p> 	<p>With the Biomex Protection<sup>®</sup> you support the ankle in its natural movement and protect it against twisting. Compared with other systems intended to protect the ankle, Biomex Protection<sup>®</sup> keeps the shoe comfortably light and does not stiffen the ankle.</p> <p>All around professionally protected with the asymmetric cuff by Biomex Protection<sup>®</sup>: Thanks to the offset pivot points, it follows the natural movement of the knee and lower leg along the body's axis.</p>


## UPPER MATERIAL

<p>Hydrophobized nubuck leather</p>	<ul style="list-style-type: none"> <li>• Areas of application S2/S3</li> <li>• Natural material</li> <li>• Wear-resistant</li> <li>• Breathable</li> <li>• Water penetration/absorption in accordance with EN ISO 20345 S2</li> <li>• By hydrophobation, higher resistance against water penetration and water absorption</li> </ul>
<p>Textile material</p>	<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>

## LINING

<p>Gore-Tex<sup>®</sup> Performance Comfort Footwear</p> 	<p>The GORE-TEX<sup>®</sup> membrane prevents water from entering into the shoe, but still allows your feet to "breathe". This technology provides ideal climate comfort for all outdoor activities, even in the harshest weather conditions. All components of the shoe construction are precisely attuned to one another and are subject to constant quality controls.</p> <p>The ALL-WEATHER membrane</p> <p>The all-weather membrane constantly provides an ideal climate comfort inside the shoe in all wind and weather conditions. Keeps your feet cool in summer and warm in winter. Tiny pores keep wind and wetness outside.</p>
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## TOE PROTECTION CAP

<p>Steel toe cap</p> 	<ul style="list-style-type: none"> <li>• Protection against impacts of min. 200 joules and pressure loading of min. 15 kN</li> <li>• Permanent edge coverage for cushioning</li> <li>• Ergonomically shaped</li> <li>• Comfortable toe room</li> <li>• Good coverage of the little toe area</li> </ul>
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## INLAY SOLE

Full-length inlay sole



- The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.
- The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.
- Antistatic

## INSOLE

Antistatic soft-fleece insole

Antistatic, even if 100 % dry, 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)

## PENETRATION RESISTANCE

Steel midsole

Best possible protection from below: The corrosion-resistant midsole made of stainless steel complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. Particularly recommendable when working in areas where there is an increased risk of injuries due to pointed or sharp objects, such as in the construction industry.

## OUTSOLE

VIBRAM® double-density sole with profile



- Excellent slip resistance
- Antistatic

Outsole: Rubber

- Colour: black
- Profile depth: 5.0 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
- Resistant to a large number of chemicals (acids and alkalis)
- Notch-resistant

Midsole: PU (polyurethane)

- The soft PU core provides a good impact absorption and high wearing comfort