

Article **TORNADO LOW**  
Category **S3L LG FO SR**  
Sizes **36 - 48**  
Width **11**  
Weight (half pair, sz 42) **530 gr**  
Metal free **Yes**  
Certification **CE**

|                                 |                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>UPPER</b>                    | Water resistant leather                                                                                                                                                                                                            |
| <b>LINING</b>                   | extremely breathable polyamide lining. It absorbs moisture quickly and ensures a greater comfort during the whole working day. Optimal resistance to abrasion and anti-bacterial                                                   |
| <b>TOE CAP</b>                  | non-magnetic toecap, from composite materials. 50% lighter than steel                                                                                                                                                              |
| <b>ANTI-PERFORATION MIDSOLE</b> | non-magnetic, perforation resistance composite fabric plate. It is 40% lighter and more flexible than steel plate and at the same time guarantees an optimal protection covering 100% of the foot surface. Certified EN 12568:2010 |
| <b>FOOTBED</b>                  | insole PU 10mm expanded, covered with antibacterial fabric                                                                                                                                                                         |
| <b>SOLE</b>                     | PU double density with optimal absorption of strains on the vertebral column thanks to the use of expanded PU midsole. Maximum stability                                                                                           |



**E.LITE**  
collection

|                                                    | Requirements      |        | Test    |
|----------------------------------------------------|-------------------|--------|---------|
|                                                    | EN ISO 20345:2022 |        | Results |
| <b>UPPER</b>                                       | <b>+ A1:2024</b>  |        |         |
| Water Vapour Permeability                          | mg/cmq*h          | ≥ 0,8  | 4,7     |
| Water Vapour Coefficient                           | mg/cmq            | ≥ 15   | 42,8    |
| <b>LINING</b>                                      |                   |        |         |
| Water Vapour Permeability                          | mg/cmq*h          | ≥ 2    | 11,1    |
| Water Vapour Coefficient                           | mg/cmq            | ≥ 20   | 97,7    |
| <b>TOECAP</b>                                      |                   |        |         |
| Impact resistance: clearance under the toecap      | mm                | ≥ 14   | 14      |
| Compression resistance: clearance under the toecap | mm                | ≥ 14   | 14      |
| <b>ANTI-PERFORATION MIDSOLE</b>                    |                   |        |         |
| Penetration resistance (EN ISO 12568:2010)         | N                 | ≥ 1100 | ≥ 1100  |
| <b>ELECTRICAL RESISTANCE</b>                       |                   |        |         |
| - wet condition (85% relative humidity)            | MΩ                | ≥ 0,1  | 300     |
| - dry condition (30% relative humidity)            | MΩ                | ≤ 1000 | 650     |
| <b>SOLE</b>                                        |                   |        |         |
| Abrasion resistance: relative volume loss          | mm <sup>3</sup>   | ≤ 150  | 45      |
| Flexing resistance: cut growth                     | mm                | ≤ 4    | 1,5     |
| Resistance to fuel oil: volume increase            | %                 | ≤ 12   | 1,1     |
| Energy absorption of seat region                   | J                 | ≥ 20   | 23      |
| Slip resistance on                                 | Condition A       | ≥ 0,31 | 0,35    |
| ceramic tile with sodium lauryl sulphate           | Condition B       | ≥ 0,36 | 0,38    |
| Slip resistance on                                 | Condition C       | ≥ 0,19 | 0,23    |
| ceramic tile with glycerine                        | Condition D       | ≥ 0,22 | 0,25    |

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