



**SPORT Line**  
**S3S FO SR ESD**  
 EN ISO 20345:2022

**SIZES\*** 34-48  
**STOCK\*\*** 35-48  
**FIT** 12  
**WEIGHT\*\*\*** 549 g



65% ECO PU  
 ECO BOX  
 +25% LIGHT  
 20% ENERGY

ECO RELEASE AGENT  
 ECO FACILITIES



<b>UPPER</b>	black oiled grain leather TOP LEATHER with padding at the malleolus.
<b>LINING</b>	100% polyester honeycomb quickly releases moisture, keeping the foot dry.
<b>INSOLE</b>	SPORT-LITE, anatomical, antistatic, antibacterial and ESD, 65% recycled.
<b>SOLE</b>	certified non-slip dual-density polyurethane, resistant to bending and abrasion, oil-proof, ESD.
<b>TOE CAP</b>	THIN CAP composite toe cap: lighter than metal and thermal shock free (does not conduct heat/cold).
<b>MIDSOLE</b>	Non-metallic anti-perforation insole HRP INSOLE , light and flexible.
<b>PLUS</b>	<ul style="list-style-type: none"> <li>• <b>Seamless construction</b> : interior without overlapping pieces to eliminate pressure points</li> <li>• <b>Ankle area</b>: increased padding in soft materials</li> <li>• <b>Heel insert</b>: high resistance anti-slip</li> <li>• <b>Shock Absorber</b> : variable geometry heel to reduce impact on the spine</li> <li>• <b>Flex support</b>: for unparalleled comfort and high performance walking</li> <li>• <b>HIGH-TEX inserts</b>: high-tenacity nylon, resistant to abrasion and tearing.</li> </ul>

\*CE certified sizes  
 \*\*available in stock  
 \*\*\*approximate weight of half a pair in size 42 (±10%)

# FOOTBALL - TECHNICAL SPECIFICATIONS

## Sector of use:

Light work, mechanical industry , logistics/packaging, professionals/artisans, cooperatives, electronics, electrical engineering, construction, carpentry

## Maintenance tips:

Periodically clean the sole grooves and upper with non-aggressive materials that could compromise the quality, safety, and durability of the shoe. Do not dry near or in direct contact with heat sources.

Do not keep store in direct sunlight.

## PERFORMANCE AND REQUIREMENTS STANDARDS EN ISO 20345:2022 + A1:2024

COMPLETE FOOTWEAR	STANDARD POINT	DESCRIPTION	UNIT OF MEASUREMENT	REQUIREMENT	RESULT
<b>Toe cap:</b>	<b>5.3.2.6</b>	Impact resistance	mm	≥ 14	<b>14.5</b>
	<b>5.3.2.7</b>	Compressive strength	mm	≥ 14	<b>15.5</b>
<b>Anti-perforation insole :</b>	<b>6.2.1</b>	Single puncture resistance	N	≥ 950	<b>1250</b>
	<b>6.2.1</b>	Medium puncture resistance	N	≥ 1100	<b>1302</b>
<b>Insole:</b>	<b>6.2.1</b>	Water absorption	mg/cm <sup>2</sup>	≥ 70	<b>86.3</b>
	<b>5.7.3</b>	Water desorption	mg/cm <sup>2</sup>	≥ 80%	<b>100</b>
<b>ESD footwear :</b>	<b>EN IEC 61340-5-1</b>	Electrical resistance for ESD footwear	Mohm	< 100	<b>93.6</b>
<b>Upper:</b>	<b>5.4.6</b>	Water vapor permeability	mg/cm <sup>2</sup> · h	≥ 0.8	<b>6.1</b>
	<b>5.4.6</b>	Water vapor coefficient	mg/cm <sup>2</sup>	≥ 15	<b>53.5</b>
	<b>6.3</b>	Water penetration ( WPA )	g	≤ 0.2	<b>0.02</b>
	<b>6.3</b>	Water absorption ( WPA )	%	≤ 30	<b>1.3</b>
	<b>5.4.3</b>	Tear resistance	N	≥ 120	<b>218</b>
<b>Lining:</b>	<b>5.5.4</b>	Water vapor permeability	mg/cm <sup>2</sup> · h	≥ 2	<b>99.9</b>
	<b>5.5.4</b>	Water vapor coefficient	mg/cm <sup>2</sup>	≥ 20	<b>799</b>
	<b>5.5.2</b>	Tear resistance	N	≥ 15	<b>44</b>
	<b>5.5.3</b>	Abrasion resistance (dry)	cycles	25,600	<b>25,600</b>
	<b>5.5.3</b>	Abrasion resistance (wet)	cycles	12,800	<b>12,800</b>
<b>Sole:</b>	<b>6.2.4</b>	Heel energy absorption	J	≥ 20	<b>26</b>
	<b>5.8.3</b>	Tear resistance	kN/m	≥ 8	<b>18.8</b>
	<b>5.8.4</b>	Abrasion resistance	mm <sup>3</sup>	≤ 150	<b>39</b>
	<b>5.8.5</b>	Flexural strength	mm	≤ 4	<b>0</b>
	<b>5.8.6</b>	Hydrolysis	mm	≤ 6	<b>0</b>
	<b>6.4.2</b>	Resistance to hydrocarbons	%	≤ 12%	<b>2.9</b>
	<b>5.3.5.2</b>	Slip resistance on ceramic with NaLS - heel forward 7°	-	≥ 0.31	<b>0.46</b>
	<b>5.3.5.2</b>	Slip resistance on ceramic with NaLS - tip back 7°	-	≥ 0.36	<b>0.50</b>
	<b>6.2.10</b>	Slip resistance on ceramic with glycerin (SR) - 7° forward heel	-	≥ 0.19	<b>0.28</b>
	<b>6.2.10</b>	Slip resistance on ceramic with glycerin (SR) - tip back 7°	-	≥ 0.22	<b>0.24</b>

The presence of hazardous substances listed in Annex XVII of Regulation 1907/2006/EC has not been detected in the model and its components and subsequent amendments and additions.

