



SPN.1900 S3 SRC HRO

LEATHER WELDER BOOT COMPOSITE/KEVLAR

REF: 41107000SPN1900QD



Upper: Water Resistant Cow Leather

Lining: Breathable Sandwich Air Mesh

Insole: Comfortable EVA Coated Mesh

Outsole: PU/Rubber Injection (HRO 300°)

Protective Toecap: Composite

Protective midsole: Kevlar Plate

Size: EU 37-47# , UK 3-13# , US 4-14#

Standard: CE EN ISO 20345:2011 SBP SRC/HRO

Application: Construction, Logistics, Mechanics, Workshop, Oil & Gas Industry, Chemical Factory, Mining, Welding, etc.



200 JOULE TOECAP



SHOCK ABSORPTION



PROTECTIVE MIDSOLE



SLIP RESISTANT



OIL AND FUEL RESISTANT



ANTI-STATIC



WATER RESISTANT UPPER



HEAT RESISTANT OUTSOLE 300°C



Composite Toe Cap Protection • AN1 - EN 12568

Made with lightweight fiber-glass material, which can reach 200 joules from falling or rolling objects. It is stronger and lighter than a steel toecap.



Kevlar Plate Protection • AN1 - EN 12568

Kevlar midsole plate, is zero-penetration resistant. It can resist 1100 newtons nail puncture from sharp objects. It is stronger and more flexible than steel plate.



Water Resistant Cow Leather Upper • CE EN ISO 20345:2011

High quality smooth cow leather with a thickness between 1.6-1.8 mm. It's treated with a water resistant coating to protect the feet in a rainy workday. The tear strength is 10% higher than the European test requirement, to reach a longer lifespan.



Heavy Duty PU/Rubber Outsole • CE EN ISO 20345:2011

The outsole is made with PU/Rubber material. The midsole is 45±5 degree hardness PU, it is soft and shock absorbent. The outsole is made of natural rubber with 5%-10% nitrile and is suitable to use in workplaces where oil & gas resistance is necessary. It also passes the SRC slip-resistant test.

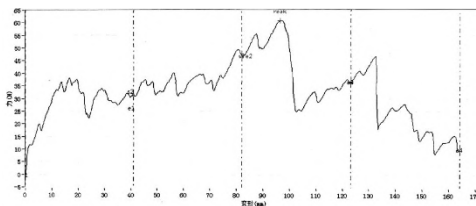


Heat resistant HRO • CE EN ISO 20345:2011

The HRO norm refers to the outsole resistance to high temperature contact heat (up to 300°C), protecting both the feet and footwear to extreme temperatures.

Sole Bonding Strength Test

- EN ISO 20344:2011, 5.2 (Between Upper & Sole)
- Average Test Result 5.8±5 (N/mm)



Upper, Lining & Bonding Strength Test Result

Leather Tear Strength ≥	120.0 Newtons
Leather Tensile Properties ≥	15.0 N/mm ²
Lining Tear Strength ≥	15.0 N/mm
Bonding Strength ≥	4.0 N/mm

✓ Protection with Composite Toecap (200 Joules)

Result

Impact Resistance: Impact Energy: 200 ± 4 Joules, Internal Height Clearance ≥ 14mm	PASS
Compression Resistance: Compression Force: (15 ± 0.1) KN, Internal Height Clearance ≥ 14mm	

✓ Penetration Resistance (1100 N)

Result

Penetration Resistance Force ≥ 1100 N	PASS
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✓ Protection With Slip Resistant (SRC)

Result

Test Requirement: SRA (Eurotile 2+Nal 5) Forward Heel Slip ≥0.28 & Forward Flat Slip: ≥0.32 SRB (Steel Floor+Glycerine) Forward Heel Slip ≥0.13 & Forward Flat Slip: ≥0.18	PASS
Standards: EN ISO 20344:2011(5.11) , SRC Means both SRA & SRB requirements are fulfilled.	

✓ Protection Against Heat Risk 300°C

Result

Test Requirement: The Outsole Did Not Melt & Did Not Develop Any Cracks When Bent Around Mandrel	PASS
Standards: EN ISO 20344:2011(8.7). 300°C HRO=Heat Resistant	



√ Protection Resistant to Fuel Oil		Result
Test Requirement: Change in Volume and Change in Hardness (Outsole) is No More Than +12%(*)		PASS
Standards: ENISO 20344:2011(8.6.1)		
Standard Package Instruction (Average 42# for Reference)		
Shoes Weight : 1.2-1.3 KGS / Pair	1 Pair / Color Box, Dimensions: 34×23×12 CM	

User Instructions:

- 1. RECOMMENDED USE:** Construction, Logistics, Mechanics, Glass Installation, Workshop, Farming, Garden, Oil & Gas, Chemical Factory etc.
- 2. LIMITATIONS OF USE:** It is very important that footwear selected must be suitable for the right workplaces. The protection against risks or hazards which are not mentioned in this document is not warranted.
- 3. FITTING & SIZE:** All footwear are marked with standard size on tongue label. Some display a different size comparison, such as EU size, UK size, US size etc.

Please wear footwear in a suitable size. Footwear that is too loose or tight may not provide optimum level of protection.

- 4. STORAGE:** Keep the footwear in its original packaging, under ordinary temperature, non-humid conditions and in clean, covered and a ventilated area.
- 5. CLEANING:** Clean the footwear regularly with high quality cleaning treatments recommended for the purpose. Don't use caustic or corrosive cleaning agents.