



# L-7530 Metal Free

## Light Weight & Flexible Safety Shoes

Upper : Durable 3D Weaving Nylon Fabric

Lining : Breathable Sandwich Air Mesh

Insole : Superior Memory Foam Insoles

Outsole : PU/PU Dual Density

Toecap : Composite Toecap

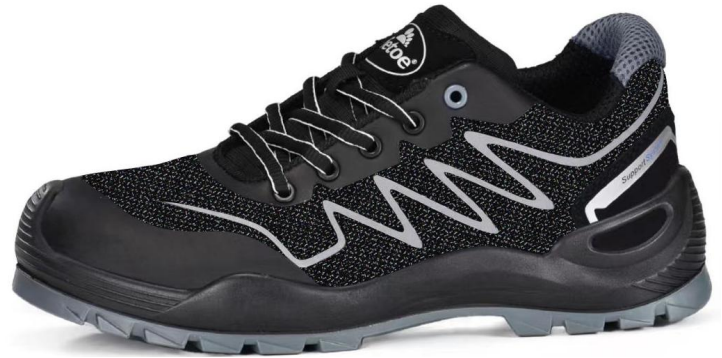
Penetration : Kevlar Midsole Plate

Size : EU 37-47#, UK 3-13#, US4-14#

CE EN ISO 20345:2022+A1:2024 S1 PS SR FO

ASTM E 2149-2020 Approved Anti-microbial Lining & Insole (Odor Resistant)

Application : Logistics, Warehouse, Mechanics, Glasses Installation, Factory Workshop, Garage etc



200 JOULE TOECAP



SLIP-RESISTANT



SHOCK ABSORPTION



ANTI-STATIC



ANTI-NAIL MIDSOLE



PETROL AND CHEMICAL RESISTANT



OIL RESISTANT



### Composite Toe Cap Protection • EN ISO 20345:2022

Composite Toecap is light-weight and non-magnetic. The impact resistance can reach 200 joules from falling or rolling objects. The compression resistance can reach 1500kN.



### Kevlar Plate Protection • EN ISO 20345:2022

Kevlar midsole plate is flexible and non-metallic. The penetration resistance can reach 1100 newtons from nail or other sharp objects. The flex resistance can reach to  $1 \times 10^6$  flexion cycles without visible cracking.



### Durable Nylon Fabric • EN ISO 20345:2022

High quality 3D Weaving fabric with thickness 1.6-1.8mm. It is treated with breathable technology to keep feet from dry during walking all days. The tear strength of upper material can reach to 60 Newtons.

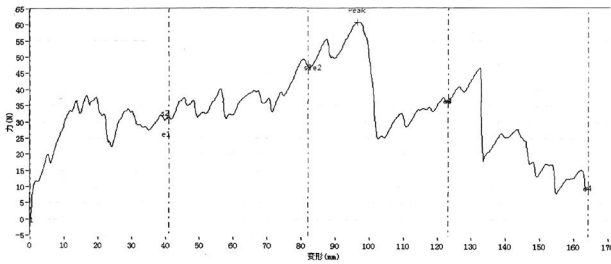


### Heavy Duty PU/PU Outsole • EN ISO 20345:2022

Manufactured with Germany Fully Automatic Injection Technology. The outsole is made with PU/PU dual density material. The midsole is  $45 \pm 5$  degree hardness PU, which is soft and shock absorption. The outsole is  $65 \pm 5$  degree hardness PU, which is tough and abrasion resistant.

## Sole Bonding Strength Test

- EN ISO 20344:2022, 5.3 (Between Upper & Sole)
- Average Test Result  $5.8 \pm 5$  (N/mm)



### Upper, Lining & Bonding Strength Test Result

Upper Tear Strength $\geq$	60.0 Newtons
Upper Tensile Properties $\geq$	15.0 N/mm <sup>2</sup>
Lining Tear Strength $\geq$	15.0 N/mm
Bonding Strength $\geq$	4.0 N/mm

### ✓ Protection With Slip Resistant (SR)

### Result

Test Requirement : Forward Heel Slip  $\geq 0.31$  (ISO 13287:2019)  
 Backward Heel Slip  $\geq 0.36$  (ISO 13287:2019)

PASS

Standards : EN ISO20345:2022(5.3.5) , Test floor: Ceramic tile, Lubricant: Sodium lauryl sulphate

### ✓ Protection With Anti-Static

### Result

Test Requirement : Anti-static  $100K\Omega$ - $1000M\Omega$ , Test Voltage:  $100 \pm 2$  V DC, Test Period: 1 Minute

PASS

Standards : EN ISO 20345:2022 (6.2.2.2) Dry Humidity ( $30 \pm 5$ ) & Wet Humidity ( $85 \pm 5$ )

### ✓ Protection Resistant to Fuel Oil

### Result

Test Requirement : Change in Volume and Change in Hardness (Outsole) is No More Than +12%(\*)

PASS

Standards : EN ISO 20345:2022 (6.4.2)

### SAFETOE Standard Package Instruction (Average 42# for Reference)

Shoes Weight : 1.1-1.2 KGS /Pair

Carton Weight : 12-13 KGS /Carton

1 Pair / Color Box , Dimensions :  $32 \times 21 \times 12$ CM

10 Pair / Carton , Dimensions :  $62 \times 43 \times 33$ CM



### User Instructions:

- 1.) RECOMMENDED TO USE : Logistics, Warehouse, Mechanics, Glasses Installation, Factory Workshop, Farming, Garden, Garage etc.
- 2.) LIMITATION TO 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 are with different size comparison, such as EU size, UK size, US size etc. Please wear footwear in a suitable size.

Footwear which are too loose or too tight may not provide optimum level of protection.

4.) STORAGE: Keep the footwear in its original packaging, under ordinary temperature, non-humidity conditions and in clean, covered and ventilated premises.

5.) CLEANING: Clean footwear regularly by high quality cleaning treatments recommended as suitable for the purpose.

Don't use caustic or corrosive cleaning agents.