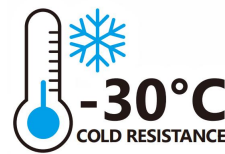




M-8551 Winter S3

Cold Resistant Winter Work Boots



Upper : Full Grain Embossed Cow Leather
 Lining : Cold Resistant 100% Genuine Lamb Fur
 Insole : Soft EVA+Genuine Lamb Fur
 Outsole : QuantumHold™ PU/Nitrile Rubber Injection
 Toecap : VortiGard™ Composite Toecap
 Penetration : VortiGard™ Kevlar Midsole Plate
 Size : EU 37-47#, UK 3-13#, USA-14#
 CE EN ISO 20345:2022+A1:2024 S3S SR CI HI FO HRO
 ASTM E 2149-2020 Approved Anti-bacterial Lining & Insole (Odor Resistant)
 Application : Cold Storage, Ice Storage, Frozen Food Processing, Frozen Chain Logistics & Warehouse, Low-temperature Lab, Winter Outdoor Works etc etc



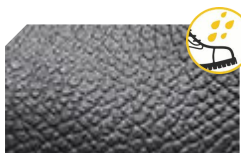
VortiGard™ Composite Toe Cap • EN ISO 20345:2022

Compoiste Toecap is light-weight and non-magnetic. The impact resistance can reach 200 joules from falling or rolling objects. The compression resistance can reach 15kN.



VortiGard™ Kevlar Plate (Type PS) • 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 X 10⁶ flexion cycles without visable cracking.



Full Grain Cow Leather Upper • EN ISO 20345:2022

High quality embossed cow leather with thickness 1.6-1.8mm. It is treated with water resistant coating to protect feet from raining workday. The tear strength of upper leather can reach to 120 Newtons.

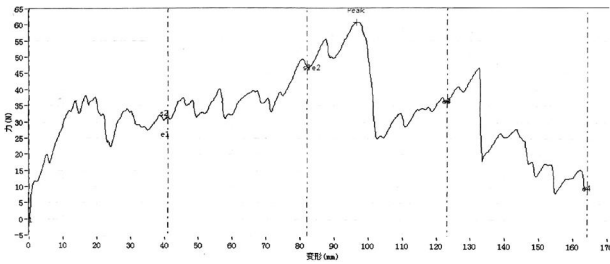


QuantumHold™ PU/Rubber Outsole • EN ISO 20345:2022

PU/Rubber outsoules are manufacturerd with Germany Fully Automatic Injection Technology. The midsole is 45±5 degree hardness PU, which is soft and shock absorption. The outsole is natural rubber with 5%-10% nitrile, which is cold resistant, slip resistant and abrasion resistant.

Sole Bonding Strength Test

- EN ISO 20345:2022, 5.3 (Between Upper & Sole)
- Average Test Result 5.8 ± 5 (N/mm)



Upper, Lining & Bonding Strength Test Result

| | |
|-----------------------------------|------------------------|
| Leather Tear Strength \geq | 120.0 Newtons |
| Leather Tensile Properties \geq | 15.0 N/mm ² |
| Lining Tear Strength \geq | 15.0 N/mm |
| Bonding Strength \geq | 4.0 N/mm |

| ✓ Protection With Cold Insulation (CI) | Result |
|--|---|
| Test Requirement : Temperature Decrease on upper surface of insock $\leq 10^{\circ}\text{C}$ | PASS |
| Standards : EN ISO 20345:2022(6.2.3.2) , Temperature of cold box: -30°C , Period: 30 ± 1 minutes | |
| ✓ Protection With Slip Resistant (SR) | Result |
| Test Requirement : Forward Heel Slip ≥ 0.31 (Test method L ISO 13287:2019) Backward Forepart Slip ≥ 0.36 (Test method L ISO 13287:2019) | PASS |
| Standards : EN ISO 20345:2022(5.3.5) , Test floor: Ceramic tile, Lubricant: Sodium lauryl sulphate | |
| ✓ 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 : 1.3-1.4 KGS /Pair | Carton Weight : 14-15 KGS /Carton |
| 1 Pair / Color Box , Dimensions : $32 \times 23 \times 12\text{CM}$ | 10 Pair / Carton , Dimensions : $62 \times 47 \times 33\text{CM}$ |



User Instructions:

- 1.) RECOMMENDED TO USE : Cold Storage, Ice Storage, Frozen Food Processing, Frozen Chain Logistics & Warehouse, Low-temperature Lab, Winter Outdoor Works etc 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.