

AIR 100 HIGH S3S ESD



New standard 2022 :
Standard EN ISO 20345 : 2022



LEMAITRE
DESIGNED FOR ACTION



ESD protection against electrostatic discharge

- Electrical resistance between 105 Ω and 108 Ω .
- Protects electronic components against electrostatic discharges that could damage them.



Sizes 35 to 50

Ref. A100S3SHIGH

Product Highlights

- **Upper in water-repellent untearable fabric, ripstop type, and 15% recycled microfiber with velvet finish:** lightweight, breathable and highly resistant to tearing and abrasion
- **Highly breathable 3D textile lining:** pleasantly cool feel, good foot ventilation
- **TPU film-reinforced scuffcap:** the additional upper resistance on the forefoot ensures long product life. Retro-reflective insert.
- **Tongue with gusset** to prevent dust intrusion inside the shoe



- **OPUS semi-orthopedic insole for standard feet:** reduces fatigue, relieves back strain, promotes and supports the natural rolling of the foot. Available in versions for flat and hollow feet.



- **Toecap:** aluminium



- **Puncture-resistant midsole:** high-tenacity composite textile "0" penetration, PS type (3mm nail tip)



EVA / ETPU / nitrile rubber soles

- **EVA comfort sole:** flexible and lightweight for immediate comfort
- **AIR BOUNCE insert in ETPU:** provides dynamic rebound, resilient material for everyday comfort, energy restitution to prevent knee and back pain
- **Shock absorbtion:** protects back and joints
- **Sole resistant to temperatures up to 300°C:** (HRO standard), contact heat resistance
- **Hydrocarbon-resistant sole:** (FO standard), better grip
- **Rounded heel cup:** for natural rolling of the foot

USE

- Logistics, services, handling, distribution, transport, crafts, management, finishing work
- ESD model: electronics and automotive sectors
- **Caution:** ESD shoes are not suitable for live working.



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Lemaitre takes care.

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VARIANT



AIR 100 LOW S3S ESD
A100S3SLOW

Characteristics of the upper

- **Upper material:** water-repellent untearable fabric, ripstop type, and water-repellent suede microfiber, reinforced anti-abrasion scuffcap in TPU film, retro-reflective insert
- **Tongue with gusset:** ripstop textile, synthetic materials
- **Lining:** 3D microporous fabric

Packaging

Size 35 to 42

shoebox 315 x 220 x 125 mm

carton 635 x 445 x 325 mm

10 shoeboxes per carton

Size 43 to 50

shoebox 355 x 220 x 130 mm

carton 660 x 450 x 360 mm

10 shoeboxes per carton

Characteristics of the sole

- **Material :** EVA / ETPU / Nitrile rubber
- **Antistatic sole**
- **Adhesion coefficient (fundamental requirements):**
forward heel slip: 0,58 (standard $\geq 0,31$)
backward forepart slip: 0,89 (standard $\geq 0,36$)
- **Coefficient d'adhérence SR :**
forward heel slip: 0,23 (standard $\geq 0,19$)
backward forepart slip: 0,38 (standard $\geq 0,22$)

Gencods

35	3237154642351	43	3237154642436
36	3237154642368	44	3237154642443
37	3237154642375	45	3237154642450
38	3237154642382	46	3237154642467
39	3237154642399	47	3237154642474
40	3237154642405	48	3237154642481
41	3237154642412	49	3237154642498
42	3237154642429	50	3237154642504

Memo for basic and additional requirements of the standard EN ISO 20345:2022

Safety Footwear

S3S



Sliding test

No marking

Fundamental requirements

Slip-resistant shoe on a tiled floor with a solution of sodium lauryl sulfate (NaLS).



Shoe resistant to slipping on a tiled floor with glycerin.



200 J toe cap: Protection of the forefoot against shocks and crushing



Non-metallic puncture-resistant midsole resistant with a 3 mm point (type PS)



Anti-static shoes



Shock absorption at the heel



Fuel oil-resistant outsole



Water penetration and water absorption resistant upper



Abrasion resistant scuff cap



Electrostatic discharge



Insulation against cold



Insulation against heat



Outsole resistance to hot contact



Water resistant



Ladder grip system



Ankle protection

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