

MODEL EBANO VELCRO

GENERAL DESCRIPTION.

Safety boot welding type, padded and tongue, with dual-density polyurethane sole.

Design B compliant with EN ISO 20345:2011. Manufacturing system with direct soling straight to the upper.



SIZES AVAILABLE.

35 – 48 EU / 2 – 13 UK

DESIGNATION CODE.

S2+CI+SRC (EN ISO 20345:2011) DIRECTIVE 89/686/EEC. EU REGULATION 2016/425.

REQUIREMENTS SATISFIED.

Ergonomics and adjustment to the user's shape. Impact resistant (200 joules). Anti-static footwear. Energy absorption in the heel. Oil resistant. Slip resistance. Resistance to water absorption and penetration. Cold insulation. Resistance to non-extreme environmental factors under expected conditions of use.

The materials from which it is made are safe and do not affect the safety or health of the user. They pose no risks or discomfort under expected conditions of use.

The materials from which it is made and the parts of the footwear that are or may come in contact with the user wearing it have no rough surfaces, sharp edges, points or protrusions that may cause injury or excessive irritation. These materials or their breakdown products do not affect the safety or health of users.

The adjustment system cannot be accidentally loosened under expected conditions of use; the footwear is tightened and loosened by Velcro, no tools are necessary.

The design makes it easy for the user to put on, and takes into account environmental factors and the actions and postures involved; the fit is adapted to the user's shape, including a variety of manufacturing sizes.

The footwear is designed to let the foot breathe naturally and to absorb perspiration. The liners are designed to absorb sweat and perspiration.

The model meets specific requirements to offer adequate protection against expected hazards and to resist environmental factors under expected conditions of use.

The date of manufacture is stamped on the footwear (sole); the batch number for tracing purposes is marked on the label on the upper and the label on the packaging box (pair).

With anti-penetration steel insole; Designation code S3, satisfies penetration resistance.

For models marked with P or S3, the penetration resistance of this footwear has been measured in the laboratory using a truncated nail of diameter 4.5 mm and a force of 1,100 Newton. Higher forces or nails of smaller diameter will increase the risk of penetration occurring. In such circumstances alternative preventative measures should be considered.

DESCRIPTION OF COMPONENTS.

Black full grain cowhide with a thickness of 2.0 - 2.2 mm.

Tear strength: > 120 N.

Tensile strength: > 20 N/mm²

Water vapour permeability: > 0,8 mg/cm²h.

Cr VI content: < 3 ppm.

pH: > 3.2

Water absorption: < 20% after 60 min.

Penetration: < 0,2 gr en 60 min.

Lining: Vamp and Heel: made from anti-allergic polyamide material, highly resistant to abrasion, absorption and drying of perspiration.

Tear strength: > 18 N.

Abrasion resistance: > 51,200 dry cycles and 25,600 wet cycles.

Water vapour permeability: > 2 mg/cm²h

Tongue: Extension of the vamp.

Collar padded with interior foam. Resin-impregnated, non-stitch fabric counter.

Inner insole made of foamed material with textile support, ergonomic design based on biomechanical walking motions.

Midsole made of antistatic, foamed, low-density polyurethane that provides great cushioning. Provides thermal insulation.

Antistatic, compact polyurethane, biomechanical, non-slip design, with anti-tip pads (anti-torsion system). Improves dynamic adaptation over previous model by at least 15% (half-foot torsion and torsion of metatarsals). Provides greater absorption of forces in impact phase, step stability/uniformity and pronation control while walking.

Tear strength: > 8 N/mm.

Abrasion resistance: <100 mm³

Oil resistance: < 6%.

Resistencia a la hidrólisis: < 6 mm.

Energy absorption in the heel: > 20 J.

Non-metallic Toecap, with 200-J impact resistance; as per EN ISO 20345:2011 & EN ISO 12568:2010 standards, extra-wide last.

Available: Non-metallic anti-penetration insole with penetration resistance > 1,100 N.

Fastening system with Velcro.

PROTECTS AGAINST.

Falling objects or crushing of front part of the foot: YES.

Falls and impacts to heel of the foot: YES.

Falls due to slips: YES.

Slipping on wet or oily surfaces: YES.

Walking on pointed or sharp objects: NO. (Only models with P or S3 marking).

Effects and falls of objects on metatarsus: NO.

Injuries to toes or deformation of feet: YES.

Muscle fatigue caused by walking or standing: YES.

Work that causes vibrations: YES.

Impacts in ankle area: YES. (Does not meet requirements for AN).

Possible ankle sprains: YES.

Penetration by external materials: NO. (Only models with anti-penetration insole).

Build-up of electrostatic charges caused by movement or leakage from low-voltage machinery: YES.

Electrically insulated footwear: NO.

Electrically conducting footwear: NO.

Molten metal: NO.

Possible burns and flames: NO. (Does not meet the requirements of EN 15090).

Heat through contact with hot surfaces: NO.

Very extreme heat conditions with high need for transpiration: YES.

Exposure to cold (-10°C): YES. Exposure to cold (-30°C): NO.

Protection against dust or dirt: YES.

Protection against aggressive liquids: NO.

Water penetration through vamp due to sporadic or permanent exposure to moisture: NO.

Protection against radiation: NO.

Protection against biological agents/bacteria: NO.

APPLICATIONS.

Industry and construction. Maintenance and welding. Indoor and outdoor work. Warehouses.
Transport. Cleaning

CONTENT OF DANGEROUS SUBSTANCES THAT MAY AFFECT THE FOOTWEAR AND COMPONENTS.

SUBSTANCE	CONTENT	LEGAL REFERENCE
Acrylamide	<1000 mg/kg	REACH REGULATION EU 366/2011
Alkylphenol and ethoxylates	<1000 mg/kg	REACH REGULATION EC 552/2009
Arsenic (compounds)	prohibited; not detectable	RD 106/1985 Decree 2484/1967
Biocides	prohibited; not detectable	Regulation EU 528/2012
Cadmium and its compounds	<100 mg/kg (polymers and costume jewellery) <1000 mg/kg (painted items)	Regulation EU 835/2012 REACH Regulation EU 494/2011
Chloroalkanes, C10-C13	<10,000 mg/kg	Regulation EU 519/2012 REACH
Chromium VI	<3 mg/kg	EN ISO 20344-7 REACH DIRECTIVE 1989/686/EEC
Dimethyl fumarate	prohibited <0.1 mg/kg	REACH Regulation EU 412/2012
Whale oil	prohibited; not detectable	Regulation EC 338/1997
Formaldehyde	<100 mg/kg	Specific regulations by country
Phthalates	<1000 MG/KG	REACH Regulation EC 552/2009
Fluorinated gases	prohibited; not detectable	Regulation EC 842/2006
Hexachloroethane	prohibited; not detectable	REACH Regulation EC 552/2009
Mercury (compounds)	prohibited; not detectable	REACH Regulation EC 552/2009
Nickel and its compounds	Released from article <0.5 µg/cm ² /week	REACH Regulation EC 552/2009
Organostannic compounds	<1000 mg/kg	REACH Regulation EU 276/2010
Pentachlorophenol (PCF) and Tetrachlorophenol (TCF)	<5 mg/kg	Country-specific regulations
Lead (compounds)	prohibited; <500 mg/kg	REACH Regulation EU 836/2012
Flame retardant	prohibited; <100 mg/kg	REACH Regulation EU 757/2010
Perfluorooctane sulfonates (PFOA, PFOs)	prohibited; <10 mg/kg or 0.1% by weight	Regulation EU 757/2010
Dispersion dyes	<5 mg/kg	German regulation
Azo dyes	<30 mg/kg list of 22 amines <0.1% weight for blue dye	REACH Regulation EC 552/2009
Trichlorobenzene	<1000 mg/kg	REACH Regulation EC 552/2009
Polycyclic Aromatic Hydrocarbons (PAHs)	1 mg/kg plastic and rubber articles in contact with human skin.	REACH Regulation EU 1272/2013