PRODUCT SHEET

A031 RESPONSE S1P SRC
Safety shoe S1P SRC with composite toecap

Standard: EN ISO 20345:2011
Range of size: 35-48 (EU)

The footwear is designed to comply with the provisions of the Regulation EU 2016/425 and the essential safety and health requirements corresponding to the intended use area.

Field of use: protection of the forefoot against impact (200J mechanical shocks) and crushing (15kN static compression force), protection of the foot against puncture (1100N perforation force), minor superficial mechanical aggressions (abrasion, clamping), heel protection against mechanical shocks (properties of energy absorption in the heel, minimum 20J), antistatic properties and outsole with profile, resistant to hydrocarbons - to handling activities of heavy objects with danger of falling or rolling, when traveling on uneven surfaces.

Applications and industries: interior constructions, logistics, maintenance, general use.

Characteristics and materials:

- Upper: suede leather&textile;
- Vamp lining: loose knit fabric with spongy material;
- Quarter lining: loose knit fabric with spongy material;
- Removable insole: non-woven, stiffened fabric, antistatic;
- Sole: dual density PU, directly injected, non-slip surface;
- Ankle protection: provided at the upper edge with a cushioning comfort element made of synthetic leather, doubled with spongy materials;
- Toecap: composite;
- Midsole:anti-perforation, nonmetallic;
- Closing system: laces through textile eyelets for low shoes and through eyelet;
- Quarter hight: min. 75 mm assortment A;

Performances according to EN ISO 20345:2011:

- ✓ Safety toecap with shock resistance of 200J
- ✓ Safety toecap with resistance to compression forces of 15 kN
- ✓ Abrasion resistant outsole - relative volume loss is below 150 mm3, for materials whose density is over 0.9 g / cm3
- ✓ Outsole resistant to hydrocarbons - volume variation after immersion during (22 ± 2) h in isooctane is below 12%, and the hardness increase below 10 Shore degrees
- ✓ ± 2) h in isooctane is below 12%, and the hardness increase below 10 Shore degrees
- ✓ Shock absorbtion: energy absorption in the heel (minimum 20 J)
- ✓ Antistatic footwear - resistance between 100k Ω and 1000 M Ω
- ✓ Slip resistance:
  - Slip resistance on ceramic tile floors, greased with detergent solution:
    - coefficient of friction condition A - sliding the heel forward: ≥0.28;
    - coefficient of friction condition B - sliding the sole forward: ≥ 0.32;
  - Slip resistance on steel floors, greased with glycerin:

- coefficient of friction condition C - sliding the heel forward: ≥ 0.13;
- coefficient of friction condition D - sliding the sole forward: ≥ 0.18.

Maintenance, cleaning instructions: The footwear incorporates both natural and synthetic materials. It has to be stored in a cool, dry, clean place, preferably in the original packaging. During use it should be cleaned regularly, using a damp cloth, including inside, to remove dirt and contaminants from the upper assembly and the sole. No sharp objects are used when cleaning. If the shoe has become damp, it should be dried naturally in an open, cool and well-ventilated area. It should not be exposed to direct heat or radiation. After drying, it is recommended to treat the upper with oily cream, or wax or other good quality substances, especially for the leather.