J-ENERGY

JY104
JALPULSE SAS

S3 CI SRC
EN ISO 20345:2011
38 to 48



Made with Infinergy® - the E-TPU from BASF We create chemistry

- **Water-repellent full-grain leather / textile**
- **J-ENERGY sole Infinergy ® de BASF**
- **Aluminum safety toe cap and midsole no metallic**
- **Antistatic**

- High safety shoe of urban sport type designed with anti-fatigue technology.
- Water-repellent full-grain leather and déperlant textiles upper. TPU insert at the heel integrated in the lacing for good holding of the foot in the shoe.
- Breathable upper lining in **3D** mesh, with honeycomb structure for improved all-round ventilation of the foot and fast-drying.
- Vamp lining in non-woven fabric, resists scuffing and acid perspiration.
- Padded tongue for good instep protection, combined with two side bellows to prevent any dirt from getting into the boots.
- Padded ergonomic collar in compact flexible foam, lined for extra comfort and better ankle and Achilles tendon protection.
- Lace up on seven pairs of eyelets. Leather lace-loop keeps tongue in place as you walk. Black laces : 160 cm.
- Tabs at the back for easy pull-on.
- POLYJAL footbed single-block structure made of soft polyurethane and textile, anatomical, perforated in the font part and with heel schock absorbers.
- PREM-Alu tip in aluminium resisting an impact of an energy of 200 joules.
- New manufacturing **process** : antiperforation inner sole and insert in **FleXtane™ By Jallatte** material, antistatic, **100% composite.** Sewn directly onto the bootstrap and covering **100% of the foot** for all-round protection.
  100% composite materials: lighter than steel, non-magnetic, non-conductive of heat or cold.
- Heel stiffener to reinforce the heel seat.

- **Innovative J-energy sole** in bi-ingredient PU / and insert in E-TPU Expanded Thermoplastic PolyUrethane called **Infinergy ® of BASF**. Sole with an extraordinary capacity of returning energy to reduce fatigue and reduce the risk of RSI (repetitive strain injury).

Slip resistance tests results
EN Standard : EN ISO 20345 : 2011
Requirement SRC (SRA+SRB)

SRA Test ground : ceramic / lubricant : water and detergent
On flat **0,62** (>0,32) – On the heel **0,48** (>0,28)

SRB Test ground steel/lubricant : glycerine
On flat **0,23** (>0,18) – On the heel **0,19** (>0,13)

- Outsole in Polyuréthane.
- E-TPU insert at low density of 0.25.
  - As elastic as rubber but lighter.
  - High resistance to abrasion and stretching.
  - Good chemical resistance.
  - Long-term durability in a wide temperature range.
  - **Dynamic performance in 3 phases: Shock Absorption - Accumulation of energy - Dynamic Return**

Weight	Gross weight (42) : 1390 g / Net weight (42) : 1182 g			
Size	35 to 39	40	41 to 45	46 to 48
Packaging	5 pairs	10 pairs		5 pairs
Box shoes (mm)	340 x 210 x 133		340 x 245 x 133	
Cartons (mm)	680 x 215 x 350	680 x 425 x 350	685 x 500 x 350	685 x 250 x 350



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