



Prod. Ref. 12750-000
Safety cat. S3 WR CI SRC
Range of sizes 40 - 48 (6,5 - 13)
Weight (sz. 8) 675 g
Shape B
Width 11 Mondopoint

Description: Brown water repellent Pull-Up nubuck ankle boot, **DRYTHERM** 100% polyamide fabric lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: Cold protection thanks to **THINSULATE™ 200g**. **COFRA SOFT COLD** footbed, made of scented polyurethane, antistatic, anatomic, soft and comfortable; the shape of the bottom part guarantees impact energy absorption; covered with fleece lined devised to give cold insulation. Sole **COLD DEFENDER PU/TPU** resistant to low temperatures. **Cold Defender PU** is a special PU compound which guarantees higher performances than the ordinary PU for mechanical resistance to low temperatures and thermal insulation and it resist under extreme temperatures up to -25°C. **ANTI TORSION SUPPORT** made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Perfumed sole. **Sealed stitchings**

Suggested uses: Construction, maintenance, industries

Care and maintenance: Clean after each use and dry off away from direct heat. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

| | | Clause EN ISO 20345:2011 | Description | Unit | Cofra result | Requirement |
|--|--|--------------------------------|---|-----------------|-----------------------|-------------|
| Complete shoe | Water resistance | 5.15.1 | Water resistance (area of water penetration after 1000 paces in a surface flooded with water) | cm ² | ≤ 3 | ≤ 3 |
| | Toe cap: non metallic TOP RETURN toe cap, impact resistant until 200 J and compression resistant until 1500 kg | 5.3.2.3 | Shock resistance (clearance after shock) | mm | 15 | ≥ 14 |
| | | 5.3.2.4 | Compression resistance (clearance after compression) | mm | 15,5 | ≥ 14 |
| | Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation | 6.2.1 | Penetration resistance | N | To 1100 N | ≥ 1100 |
| | | | | | No Perforation | |
| Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges | | 6.2.2.2 | Electric resistance | | | |
| | | | - wet | MΩ | 33,2 | ≥ 0.1 |
| | | | - dry | MΩ | 632 | ≤ 1000 |
| Cold insulation | | 6.2.3.2 | Cold insulation (temp. decrease after 30' C at -17 °C) | °C | 4,5 | ≤ 10 |
| | Energy absorption system | 6.2.4 | Shock absorption | J | 34 | ≥ 20 |
| Upper | Brown water repellent Pull-Up nubuck thickness 1,6/1,8 mm | 5.4.6 | Water vapour permeability | mg/cmq h | > 4,3 | ≥ 0,8 |
| | | | Permeability coefficient | mg/cmq | > 44,1 | > 15 |
| | | 6.3.1 | Water absorption | | 16% | ≤ 30% |
| | | | Water penetration | | 0,0 g | ≤ 0,2 g |
| Upper | Black water repellent leather thickness 1,8/2,0 mm | 5.4.6 | Water vapour permeability | mg/cmq h | > 1,1 | ≥ 0,8 |
| | | | Permeability coefficient | mg/cmq | > 15,4 | > 15 |
| | | 6.3.1 | Water absorption | | 6% | ≤ 30% |
| | | | Water penetration | | 0,0 g | ≤ 0,2 g |
| Vamp | Felt, breathable, colour dark grey thickness 1,2 mm | 5.5.3 | Water vapour permeability | mg/cmq h | > 4,7 | ≥ 2 |
| | | | Permeability coefficient | mg/cmq | > 40,6 | ≥ 20 |
| Quarter | DRYTHERM 100% polyamide fabric, breathable, abrasion resistant, colour fluo yellow thickness 1,2 mm | 5.5.3 | Water vapour permeability | mg/cmq h | > 6,5 | ≥ 2 |
| | | | Permeability coefficient | mg/cmq | > 53,3 | ≥ 20 |
| Sole | COLD DEFENDER PU/TPU , antistatic, resistant to low temperatures, directly injected in the upper: | 5.8.3 | Abrasion resistance (lost volume) | mm ³ | 66 | ≤ 150 |
| | Outsole: Black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant. | 5.8.4 | Flexing resistance (cut increase) | mm | 2 | ≤ 4 |

Midsole: Cold Defender PU resistant to -25°C, colour brown

Adherence coefficient of the sole

| | | | | |
|-------|--|------|-------------|--------|
| 5.8.6 | Interlayer bond strength | N/mm | 3,8 | ≥ 3 |
| 6.4.2 | Hydrocarbons resistance (ΔV = volume increase) | % | 1 | ≤ 12 |
| 5.3.5 | SRA : ceramic + detergent solution – flat | | 0,40 | ≥ 0,32 |
| | SRA : ceramic + detergent solution – heel (contact angle 7°) | | 0,31 | ≥ 0,28 |
| | SRB : steel + glycerol – flat | | 0,19 | ≥ 0,18 |
| | SRB : steel + glycerol – heel (contact angle 7°) | | 0,16 | ≥ 0,13 |