COFRA®
BORN TO WORK

# PRODUCT SHEET

# VERMEER BROWN S3 SRC

| | |
|---|---|
| **Prod. Ref.** | 20620-001 |
| **Safety cat.** | S3 SRC |
| **Range of sizes** | 36 - 48 (3 - 13) |
| **Weight** (sz. 8) | 580 g |
| **Shape** | A |
| **Width** | 11 |

**Description:** Brown water repellent Pull-Up nubuck shoe, textile lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

**Plus:** **100% METAL FREE**. **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. **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. **TPU toe cap protection**

**Suggested uses:** Construction, maintenance, industries

**Care and maintenance:** Clean after each use and dry off away from direct heat; treat the leather with a suitable shoe-polish. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

## MATERIALS / ACCESSORIES

| | | |
|---|---|---|
| **Complete shoe** | **Toe cap:** non metallic **TOP RETURN** toe cap, impact resistant until 200 J | |
| | and compression resistant until 1500 kg | |
| | **Anti perforation midsole:** in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation** | |
| | **Antistatic shoe:** the bottom is fit for the dissipation of electrostatic charges | |
| | **Energy absorption system** | |
| **Upper** | Brown water repellent Pull-Up nubuck | |
| | thickness 1,6/1,8 mm | |
| **Vamp lining** | Felt, breathable, colour dark grey | |
| | Thickness 1,2 mm | |
| **Quarter lining** | Textile, antibacterial, breathable, abrasion resistant, colour black | |
| | thickness 1,2 mm | |
| **Sole** | Antistatic Polyurethane/TPU directly injected in the upper: | |
| | Outsole: Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant. | |
| | Midsole: Black polyurethane, low density, comfortable and anti-shock. | |
| | Adherence coefficient of the sole | |

## SAFETY TECHNICAL SPECIFICATIONS

| Clause EN ISO 20345:2011 | Description | Unit | Cofra result | Requirement |
|---|---|---|---|---|
| 5.3.2.3 | Shock resistance (clearance after shock) | mm | **16** | ≥ 14 |
| 5.3.2.4 | Compression resistance (clearance after compression) | mm | **15,5** | ≥ 14 |
| 6.2.1 | Penetration resistance | N | **To 1100 N** | ≥ 1100 |
| | | | **No Perforation** | |
| 6.2.2.2 | Electric resistance | | | |
| | - wet | MΩ | **32,6** | ≥ 0.1 |
| | - dry | MΩ | **658** | ≤ 1000 |
| 6.2.4 | Shock absorption | J | **37** | ≥ 20 |
| 5.4.6 | Water vapour permeability | mg/cmq h | **> 3,8** | ≥ 0,8 |
| | Permeability coefficient | mg/cmq | **> 35,2** | > 15 |
| 6.3.1 | Water absorption | | **22%** | ≤ 30% |
| | Water penetration | | **0,1 g** | ≤ 0,2 g |
| 5.5.3 | Water vapour permeability | mg/cmq h | **> 4,7** | ≥ 2 |
| | Permeability coefficient | mg/cmq | **> 40,6** | ≥ 20 |
| 5.5.3 | Water vapour permeability | mg/cmq h | **> 9,8** | ≥ 2 |
| | Permeability coefficient | mg/cmq | **> 79,7** | > 20 |
| 5.8.3 | Abrasion resistance (lost volume) | $mm^3$ | **112** | ≤ 150 |
| 5.8.4 | Flexing resistance (cut increase) | mm | **1** | ≤ 4 |
| 5.8.6 | Interlayer bond strength | N/mm | **4,2** | ≥ 4 |
| 6.4.2 | Hydrocarbons resistance (ΔV = volume increase) | % | **0,9** | ≤ 12 |
| 5.3.5 | SRA : ceramic + detergent solution – flat | | **0,62** | ≥ 0,32 |
| | SRA : ceramic + detergent solution – heel (contact angle 7°) | | **0,58** | ≥ 0,28 |
| | SRB : steel + glycerol – flat | | **0,26** | ≥ 0,18 |
| | SRB : steel + glycerol – heel (contact angle 7°) | | **0,19** | ≥ 0,13 |

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