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REV.
20/10/2026

TECHNICAL SHEET

0UT20104 - ROOT ESD

S3S CI SC LG FO SR
Natural Confort 11-12-13 Mondopoint
FiberToe
FOOTWEAR TYPE "A"
TEST REPORT SIZE 42
WEIGHT 1493g
SIZES 35-49 (UK: 2-13,5)

PRODUCT PHOTO



LINES

RED FIT

TECHNOLOGIES

ESD · SaveFlex plus · METAL FREE · Fibertoe · NICKEL FREE · Natural CONFORT 11 · Secondo Natura

DESCRIPTION

Root safety shoes from U-Power's Red Fit line are designed to meet the requirements of **anyone who works in difficult** and challenging **environments**. The **water repellent, pull-up leather upper** provides **softness** and **strength**, guaranteeing dry feet even in wet conditions or rain. The **PU extra-strong front reinforcement** increases the durability of the footwear while providing added protection in the toe area against accidental impacts. Safety at work is ensured by the **FiberToe toe cap** and the **Save & Flex® PLUS anti-perforation insole** that protects from impacts and punctures while keeping the shoes light and comfortable. The PU/PU abrasion resistant, oil-resistant, non-slip and anti-static sole provides maximum grip and stability. **Three interchangeable U-Power original insoles** are included in the box for added **customisation of the fit** and daily comfort. Available in sizes 35 to 49, this **low-cut footwear** is the ideal choice for dynamic workers who require performance, safety and comfort in all situations.

TECHNICAL SPECIFICATIONS	NORM EN ISO	VALUE
	EN ISO 20345:2022+A1:2024	
SAFETY TOE CAP		
Impact resistance. Free heights after collision mm	≥14	**15,5**
Compressive strength. Free heights after compr. mm	≥14	**20,5**
ANTI-PERFORATION INSERT		
Puncture resistance	≥1100N	**Compliant**
ELECTRICAL RESISTANCE OF THE SHOE		
Measurement result	$<10^9$ohm	**Compliant**
UPPER DYNAMIC WATERPROOFING AFTER 60'		
Water absorption after 60'	≤30%	**4,4**
Water transmitted after 60'	≤0,2 gr	**0,0**
Permeability to water vapor mg/(cm^2 h)	≥0,8	**1,4**
Permeability coefficient mg/cm^2	≥15	**15,3**
VAMP LINING		
Permeability to water vapor mg/(cm^2 h)	≥2	**77,5**
Permeability coefficient mg/cm^2	≥20	**620,2**
Resistance to abrasion	12800/25600 cycles	**No hole**
SOLE WEAR		
Abrasion resistance (volume loss) mm^3	≤150	**0,96**
Resistance to sole / midsole detachment N/mm	≥3	**3,4**
Heel energy absorption J	≥20	**47**
SLIP RESISTANCE		
On ceramic with NaLS (forward heel 7°)	≥0,31	**0,42**
On ceramic with NaLS (backward heel 7°)	≥0,32	**0,41**
SR-Slip resistance on ceramic with glycerin (forward heel 7°)	≥0,19	**0,30**
SR-Slip resistance on ceramic with glycerin (backward heel 7°)	≥0,22	**0,34**