U GROUP SRL
Via Borgomanero n° 1
28040 Paruzzaro (NO)

LEGAL DATA:
Tax Code and Reg.Imp.Novara: 02041920030
CCIAA Novara REA: 211799
VAT: IT02041920030
Export Code: No015724
Share Capital: 119.000 Iv

CONTACTS:
WEBSITE: www.u-power.ai/en-gb
EMAIL: info@u-power.it
TEL: +39 0322 53 94 01
FAX: +39 0322 23 00 01

REV.
20/10/2026

TECHNICAL SHEET

0RT20036 - STARK ESD

S1PS HI HRO FO SR
Natural Confort 11 Mondopoint®
NanoFiber Toe Cap, ultralight, metal free.
FOOTWEAR TYPE "A"
TEST REPORT SIZE 42
SIZES 35-48

PRODUCT PHOTO



LINES

RED STRATOS

TECHNOLOGIES

ESD · Natural Confort 11 · Metal Free · Nanofiber · SaveFlex air · Natural Confort 11 · U-Power · Nickel Free

DESCRIPTION

STARK ESD is an S1PS HI HRO FO SR protection class safety shoe designed for prolonged use. The stretch U-KNIT upper promotes breathability, while the Super Critical Technology outsole with HRO tread provides stability, grip and responsive comfort all day long.

TECHNICAL SPECIFICATIONS	NORM EN ISO	VALUE
	EN ISO 20345:2022+A1:2024	
SAFETY TOE CAP		
Impact resistance. Free heights after collision mm	≥14	**16,0**
Compressive strength. Free heights after compr. mm	≥14	**17,0**
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%	**N/A**
Water transmitted after 60'	≤0,2 gr	**N/A**
Permeability to water vapor mg/(cm^2 h)	≥0,8	**4,4**
Permeability coefficient mg/cm^2	≥15	**36,2**
VAMP LINING		
Permeability to water vapor mg/(cm^2 h)	≥2	**24,6**
Permeability coefficient mg/cm^2	≥20	**197,0**
Resistance to abrasion	12800/25600 cycles	**No hole**
SOLE WEAR		
Abrasion resistance (volume loss) mm^3	≤150	**79**
Bending resistance mm	≤4	**1.0**
Resistance to sole / midsole detachment N/mm	≥3	**4.3**
Heel energy absorption J	≥20	**33**
SLIP RESISTANCE		
On ceramic with NaLS (forward heel 7°)	≥0,31	**0.38**
On ceramic with NaLS (backward heel 7°)	≥0,32	**0.43**
SR-Slip resistance on ceramic with glycerin (forward heel 7°)	≥0,19	**0.26**
SR-Slip resistance on ceramic with glycerin (backward heel 7°)	≥0,22	**0.29**