RHINO-R

TECHNICAL DATA SHEET (TDS) | PU / RUBBER SAFETY & OCCUPATIONAL BOOT

Professional PU / Rubber boot for demanding industrial environments

RHINO-R combines advanced material technology with ergonomic design to deliver protection, comfort and durability. Its polyurethane structure supports lightweight and flexible use, while the rubber outsole is designed for slip and abrasion resistance.



1 PRODUCT IDENTIFICATION

Brand	POLYTECH BOOT
Model	RHINO-R
Construction	Double Density Polyurethane (PU / PU / RUBBER)
Category	Safety & Occupational Footwear
Safety Standard	EN ISO 20345:2022 - S4 / S5 optional
Occupational Standard	EN ISO 20347:2022 - O4 / O5 optional
Size Range	EU 36 - 48

2 PRODUCT DESCRIPTION

Polyurethane Structure	Lightweight and flexible usage
Air Transfer	Continuous air circulation
Working Conditions	High resistance to harsh working conditions
Comfort & Service Life	Reduced weight, enhanced comfort and extended service life compared with traditional materials

3 APPLICATION AREAS

Agriculture & Livestock	Professional agricultural and livestock operations
Construction & Industry	Construction sites and industrial environments
Mining	Mining applications
Food Processing	Food production and wet processing environments
Chemical & Petrochemical	Selected chemical and petrochemical applications
Fisheries	Fisheries and related wet environments

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MATERIAL, TECHNOLOGY & PROTECTION DATA

4 MATERIAL & STRUCTURE

Component	Material	Description
Upper	Low Density PU	Flexible, lightweight, breathable
Sole	Rubber	Slip-resistant, abrasion-resistant
Toe Cap	Composite	200 Joule impact protection
Midsole	Kevlar	Penetration resistance
Insole	Removable, Antibacterial	Comfort & hygiene
Lining	PU / Textile	Moisture control

5 TECHNOLOGY & DESIGN FEATURES

Polyurethane Construction	Ensures lightweight, flexibility and air transfer, improving comfort during long usage
Heel Support System	Provides easy removal and increases heel stability and resistance

6 PROTECTION & PERFORMANCE FEATURES

Composite Toe Cap (200J)	Protection against strong impacts
Kevlar Midsole	Prevents penetration from sharp objects
Abrasion Resistant Outsole	Ensures long service life
Slip Resistant Outsole (SR)	Maximum grip on wet and slippery surfaces
Cold & Heat Insulation (CI)	Suitable for extreme temperature conditions
Fuel Oil Resistant Outsole (FO)	Resistant to industrial oils
Antistatic (A)	Prevents electrostatic discharge
Breathable Structure	Keeps feet dry
Lightweight Design	Reduces fatigue
Waterproof Construction	Protects against water penetration

7 SOLE & COMFORT FEATURES

Slip Resistant SR Sole	Ensures maximum safety on slippery floors
Advanced Insole	Comfort, sweat absorption, antistatic performance and odor control
Patented Sole Design	Enhances grip while enabling easy cleaning and hygiene

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PERFORMANCE, COLOR OPTIONS, CERTIFICATION & CARE

8 PERFORMANCE DATA

Temperature Resistance	up to -40 C
Weight (Size 42)	Approx. 1.8 - 2.0 kg / pair
Impact Resistance	200 Joule
Compression Resistance	15 kN
Electrical Properties	Antistatic

9 COLOR OPTIONS

Upper Color (Boot)	Sole	Mid Stripe Options
Khaki Green	Black	Red / Green / Yellow
Black	Black	Red / Green / Yellow
White	Black	Red / Green / Yellow
Blue	Black	Red / Green / Yellow
Yellow	Black	Red / Green / Yellow

10 STANDARDS & CERTIFICATION

EN ISO 20345:2022	S4 / S5 safety footwear configurations
EN ISO 20347:2022	O4 / O5 occupational footwear configurations
EU Regulation	Regulation (EU) 2016/425
CE	CE Certified
PPE Category	Category II

11 STORAGE & MAINTENANCE

Storage	Store in a cool and dry place
Sunlight	Avoid direct sunlight
Cleaning	Clean after use
Heat	Do not expose to extreme heat

12 KEY ADVANTAGES

Lightweight & Ergonomic	Lightweight and ergonomic design
Long Service Life	Designed for extended professional use
High Slip Resistance	High grip on slippery working surfaces
Waterproof Structure	Protection against water penetration
Superior Comfort	Designed for long-term use