RHINO PU/PU FLEECE

DOUBLE DENSITY PU SAFETY BOOT

Professional Insulated Polyurethane Safety Boot with Fleece (Muflon) Lining

RHINO PU/PU FLEECE is the insulated version of the RHINO series, designed for industrial and heavy-duty environments. It combines a low-density PU upper with a high-density PU sole and a warm fleece (muflon) lining, providing durability, comfort, thermal insulation and reliable protection.





Fleece (Muflon) Lining
Soft • Warm • Comfortable

Thermal Insulation | Lightweight & Flexible | Breathable Comfort | Cold Weather Performance

1 PRODUCT IDENTIFICATION

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

2 PRODUCT DESCRIPTION

Fleece (Muflon) Lining	Soft, warm and comfortable inner lining providing superior thermal insulation.
Lightweight Performance	Polyurethane structure supports reduced weight.
High Durability	Designed for demanding industrial and heavy-duty environments.
Long Service Life	PU construction is intended for extended professional use.
Material Advantage	Significantly lighter and longer lasting than PVC and rubber alternatives.

3 APPLICATION AREAS

Agriculture & Livestock | Construction & Industry | Mining & Quarry | Fisheries | Food Processing | Chemical & Petrochemical

RHINO PU/PU FLEECE BOOT

MATERIAL, STRUCTURE & LINING TECHNOLOGY

4 MATERIAL & STRUCTURE

Upper	Low-density PU upper / high-density PU outsole
Outsole	Polyurethane treaded sole, black
Protective toe cap	Composite; safety versions S4 / S5 only
Penetration protection	Kevlar insert; S5 version only
Inner lining	Grey fleece (muflon) textile, soft-touch surface
Insole	Comfort insole; final specification to be confirmed

5 FLEECE LINING

Thermal comfort
Soft fleece helps reduce heat transfer.

Soft-touch feel
Brushed inner surface for wearing comfort.

Insulation layer
Additional textile barrier inside the PU upper.

Technical data
Composition, GSM and thickness to be confirmed.

6 LINING COMFORT BENEFITS

Thermal comfort	Textile loft helps reduce heat transfer
Soft-touch feel	Comfortable brushed surface against the leg
Insulation layer	Adds a textile barrier inside the PU boot
Technical data	Fiber composition, GSM and thickness pending

7 SAFETY CLASS DIFFERENCES

O4 / O5	Occupational variants without protective toe cap; confirm available configurations
S4	Safety version with toe protection; confirm product marking
S5	Safety version with toe and penetration protection; confirm product marking
Standards	EN ISO 20345:2022 and EN ISO 20347:2022, as applicable

8 PERFORMANCE DATA

Temperature rating	Base RHINO TDS: -40 C; fleece variant unverified
Impact / compression	200 J / 15 kN for certified safety toe versions
Pair weight	Fleece-lined variant: measurement pending
CI / HI / SR / FO	Verify final certified product markings

9 APPLICATION AREAS

Agriculture & livestock	Cold outdoor working environments
Construction & industry	Professional use subject to risk assessment
Mining	Only with appropriate certified PPE configuration
Fisheries / food processing	Where compatible with workplace hygiene requirements

Note: Product performance claims must be confirmed for the fleece-lined finished configuration.

RHINO PU/PU FLEECE BOOT

COLOR OPTIONS & FLEECE TEXTURE REFERENCES

10 AVAILABLE COLOR COMBINATIONS

10 AVAILABLE RHINO COLOR COMBINATIONS



KHAKI / BLACK



BLACK / BLACK



WHITE / BLUE



BLUE / BLACK



YELLOW / BLACK



ORANGE / BLACK



BLUE / BLUE

RHINO PU/PU color variants shown; fleece-lined availability to be confirmed.

11 FLEECE MATERIAL – VISUAL TEXTURE REFERENCES



CREAM



BEIGE



LIGHT GREY



ANTHRACITE

12 STORAGE & MAINTENANCE

Storage	Keep in a cool, dry, well-ventilated location
Exterior cleaning	Clean polyurethane surfaces after use
Lining care	Allow the fleece interior to dry completely
Sunlight	Avoid prolonged exposure to direct sunlight
Heat sources	Do not dry next to high-temperature heaters

14 STANDARDS & CERTIFICATION

EN ISO 20345:2022	S4 / S5 as certified for final model
EN ISO 20347:2022	O4 / O5 as certified for final model
EU PPE Regulation	Regulation (EU) 2016/425; Category II
Compliance status	Verify conformity documents for fleece variant

Technical notice: Insulation rating, fleece composition, weight and certification require final verification.

13 PRODUCT HIGHLIGHTS



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- Fleece-lined comfort

- Double-density construction

15 CORPORATE CONTACT

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