GRANOX FLEECE
PU/PU BOOT

Professional Insulated Polyurethane Boot with Fleece (Muflon) Lining

GRANOX FLEECE is the insulated version of the GRANOX series, combining the durability and lightweight structure of polyurethane with a premium fleece (muflon) lining. It provides excellent thermal insulation, lasting comfort and reliable protection in cold and demanding environments.





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

1 PRODUCT IDENTIFICATION

Brand	POLYTECH BOOT
Model	GRANOX FLEECE PU/PU
Construction	Double Density Polyurethane (PU/PU)
Category	Occupational & Safety Footwear (Insulated)
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

Fleece (Muflon) Lining	Soft, warm and comfortable inner lining providing superior thermal insulation.
Lightweight Structure	Polyurethane construction provides reduced weight.
High Flexibility	Designed for comfortable movement during professional use.
Long Service Life	Durable construction for demanding environments.
Thermal Insulation	Helps to keep feet warm and reduces heat loss in cold conditions.
Material Advantage	Compared with PVC and rubber boots, PU boots are significantly lighter and more durable.

3 APPLICATION AREAS

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

GRANOX FLEECE PU/PU BOOT

MATERIAL, STRUCTURE & LINING TECHNOLOGY

4 MATERIAL & STRUCTURE

Upper	Double-density polyurethane (PU/PU) boot construction
Outsole	Polyurethane treaded sole, black
Protective toe cap	Steel; safety versions S4 / S5 only
Penetration protection	Steel insert; S5 version only
Inner lining	Grey fleece (muflon) textile, soft-touch surface
Insole	Comfort insole; final specification to be confirmed

6 LINING COMFORT BENEFITS

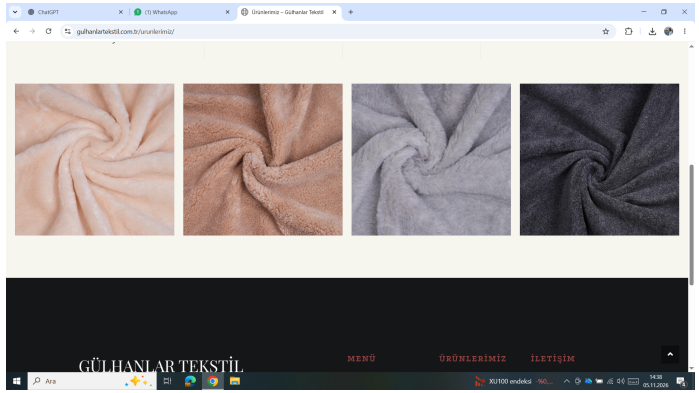
Thermal comfort	Textile loft helps reduce heat transfer
Soft-touch feel	Comfortable brushed surface against the leg
Insulation layer	Adds a textile barrier inside the PU boot
Technical data	Fiber composition, GSM and thickness pending

5 FLEECE LINING



ACTUAL FLEECE-LINED BOOT

The plush inner layer provides a softer contact surface and helps retain warmth during cold-weather use.



GRANOX FLEECE PU/PU BOOT

SAFETY CLASSES, PERFORMANCE & APPLICATIONS

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 GRANOX TDS: down to -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.

GRANOX FLEECE PU/PU BOOT

COLOR OPTIONS & FLEECE TEXTURE REFERENCES

10 AVAILABLE GRANOX COLOR COMBINATIONS



KHAKI / BLACK



BLACK / BLACK



WHITE / BLUE



BLUE / BLACK



YELLOW / BLACK



ORANGE / BLACK



BLUE / BLUE

Color images illustrate the GRANOX range; confirm each color for fleece-lined production.

11 FLEECE MATERIAL – VISUAL TEXTURE REFERENCES



CREAM



BEIGE



LIGHT GREY



ANTHRACITE

GRANOX FLEECE PU/PU BOOT

CARE, COMPLIANCE & CORPORATE INFORMATION

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



- **Waterproof PU upper**
- **Fleece-lined comfort**
- **Double-density construction**

15 CORPORATE CONTACT

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