GRANOX PU/PU BOOT

TECHNICAL DATA SHEET (TDS) | OCCUPATIONAL & SAFETY FOOTWEAR

Professional double-density polyurethane boot for demanding environments

GRANOX PU/PU is designed for professional use where durability, comfort and reliable protection are required. Its polyurethane construction provides a lightweight structure, high flexibility, long service life and superior thermal insulation.



1 PRODUCT IDENTIFICATION

Brand	POLYTECH BOOT
Model	GRANOX PU/PU
Construction	Double Density Polyurethane
Category	Occupational & Safety 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

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	Superior thermal insulation as stated in the supplied TDS
Material Advantage	Compared with PVC and rubber boots, PU boots are significantly lighter and more durable

3 APPLICATION AREAS

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

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MATERIAL, SAFETY CLASS & PERFORMANCE DATA

4 MATERIAL & STRUCTURE

Component	Material	Description
Upper	Polyurethane (PU)	Flexible, lightweight, waterproof
Sole	Polyurethane (PU)	Slip-resistant, abrasion-resistant
Toe Cap	Steel toe cap (S4 / S5 only)	200 Joule impact protection
Midsole	Steel midsole (S5 only)	Penetration resistance
Insole	Removable, antibacterial	Comfort & hygiene
Lining	Textile / PU	Moisture absorption

5 SAFETY CLASS DIFFERENCES

Feature	O4	S4	S5
Toe Protection	No	Yes	Yes
Midsole Protection	No	No	Yes
Anti-static (A)	Yes	Yes	Yes
Energy Absorption (E)	Yes	Yes	Yes
Slip Resistance (SR)	Yes	Yes	Yes
Fuel Oil Resistant (FO)	Yes	Yes	Yes
Cold Insulation (CI)	Yes	Yes	Yes
Heat Insulation (HI)	Yes	Yes	Yes

6 TECHNOLOGY & SOLE COMFORT FEATURES

Polyurethane Construction	Lightweight, flexibility and air transfer for improved long-use comfort
Heel Support System	Provides easy removal and increases heel stability and resistance
Slip Resistant SR Sole	Designed for 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

7 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

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COLOR OPTIONS, CERTIFICATION & CARE

8 COLOR OPTIONS



Available color combinations

Product color variants are shown as supplied in the source TDS. Exact commercial color availability should be confirmed against the current production program.

9 STANDARDS & CERTIFICATION

EN ISO 20345:2022	Safety Footwear - S4 / S5
EN ISO 20347:2022	Occupational Footwear - O4 / O5
EU Regulation	Regulation (EU) 2016/425
CE	CE Certified
PPE Category	Category II

10 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

11 KEY ADVANTAGES

Lightweight & Ergonomic	Lightweight and ergonomic design
Long Service Life	Designed for extended professional use
High Slip Resistance	Designed for slippery working surfaces
Waterproof Structure	Waterproof PU upper
Superior Comfort	Designed for long-term use

12 CORPORATE CONTACT

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