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Project

**TECHNICAL SPECIFICATION FOR PROTECTIVE FOOTWEAR AGAINST NUCLEAR,
BIOLOGICAL AND CHEMICAL WARFARE**

2025

No.

1. Protective footwear against nuclear, biological and chemical warfare (hereinafter – protective footwear) is intended to protect the lower part of the legs, ankles and feet from chemical warfare agents, biological agents and radioactive particles, during the execution of various military tasks.
2. Protective footwear is worn over regular combat boots.
3. Protective footwear shall be made of butyl rubber or equivalent material.
4. Protective footwear shall be dark green (RAL 6007 or equivalent) or black (RAL 9005 or equivalent).
5. Protective footwear shall be made of seamless, continuous material. It cannot be produced of recycled materials.
6. Protective footwear shall be wrapped and fastened with a fastening strap (there might be several straps), made of the same material as the footwear. Zippers shall not be used.
7. Protective footwear shall be suitable for use at temperatures at least from -20°C till at least +50°C.
8. Protective footwear shall be resistant to mechanical risks and chemical agents.
9. Protective footwear shall be impermeable to water and air.
10. Protective footwear shall have reinforced (thicker) soles. The sole shall be slip-resistant and shall ensure proper grip with the surface. The sole shall be rugged and have a large patterned print.
11. The rubber used to produce protective footwear shall have tear strength of at least 20 kN/m in accordance with ISO 34 or equivalent standard.
12. Protective footwear flexing resistance: it shall be no cracking before 125000 flex cycles in accordance with EN ISO 20344 or equivalent standard.
13. Protective footwear should not create any electrostatic load.
14. Protective footwear shall be tested with HD chemical warfare agents droplets and provide protection against the penetration of droplets of HD for at least 24 hours.
15. Protective footwear shall be produced in at least 4 different sizes. The exact sizes with the specified quantities will be provided to the Supplier with the order after signing the Procurement Contract.
16. Protective footwear, when taken out of original packaging, shall be suitable for use for at least 30 days. During this period, it should not lose its protective properties.

17. Each set of the protective footwear shall be vacuum-packed. The package shall ensure storage conditions necessary for the protective footwear to retain their protective properties during the entire warranty period.

18. Protective footwear should be easily unpacked with protective gloves and with no additional tools.

19. Each protective footwear pair shall be clearly and permanently marked with its size and date of manufacture.

20. Protective footwear package shall contain the following information: date of manufacture and best before date.

21. Protective footwear shall meet the European Union's requirements for safety, health and the environment.

22. The warranty period for protective footwear in their vacuum package shall be no less than 10 years, under which the protective characteristics specified in this Technical Specification shall be ensured.
