

**EU TYPE EXAMINATION CERTIFICATE****Certificate No: 2163-PPE-2437****DDK İŞ GÜVENLİK BİRİMİ EKİPMANLARI TEKSTİL EĞİTİM İNŞAAT TAAHHÜT  
TİCARET ve SANAYİ LİMİTED ŞİRKETİ**

Fevziçakmak Mahallesi 10637. Sokak. No:23, 42050 Karatay Konya, Türkiye

It is certified that the manufacturer's technical file (Dated 19.08.2024) and the PPE product, detailed below, have been assessed and found to meet the applicable Essential Health and Safety Requirements in Annex II of Regulation (EU) 2016/425 based on the evaluation on technical documentation and relevant test reports.

**Identification of the Personal Protective Equipment**

Product Identification	: Safety Footwear
Outsole Structure	: Moulded - Metallic Perforation-Resistant Insert (Type P)
Outsole	: PU
Upper	: PU
Toecap	: Metallic Toecap
Size	: EUR 36 – 49
Class	: Class II
Brand Name	: DDK
Type/Model	: Troya Boots S5, PU0155405 (Design C), PU015540 (Design D)
Variants	: Upper Colour (Khaki, White, Red, Orange, Black, Yellow, Navy Blue), Sole Colour (Black, Navy Blue)
Category	: S5
Additional Requirements	: SR, CI, FO
PPE Category	: II

Details are provided in annex 2163-PPE-2437-1 of this certificate.

**The following harmonised standard have been applied:****EN ISO 20345:2022** Personal Protective Equipment - Safety Footwear

Here by the manufacturer is allowed to fix CE mark on the Category II product models given above, with the below requirements under responsibility of the manufacturer;

- Issuing an appropriate EU Declaration of Conformity according to **Personal Protective Equipment Regulation (EU) 2016/425 Annex 9**.
- Ongoing successful performance in fulfilment of the requirements set out in **Personal Protective Equipment Regulation (EU) 2016/425** and harmonised standards, according to **Annex 6 (Module C)** of the regulation

This certificate is initially issued on **20.08.2024** and will be valid for 5 years from the initial issue date, if there is no change in the design of the product, relevant harmonised standards and regulation.



Suat KAÇMAZ

UNIVERSAL CERTIFICATION

Director



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Annex 2163-PPE-2437-1

## PRODUCT PHOTOS

**UPPER (PU)****Height:** Min Design C: 162 mm, Design D: 255mm**Thickness:** Min 1 mm**Tensile properties:** Modulus at 100 % elongation, Min 1 N/mm<sup>2</sup>  
Elongation at break, Min 250%**Flexing resistance:** no cracking before 150 000 flex cycles**Resistance to hydrolysis:** no cracking before 150 000 flex cycles**OUTSOLE (PU - Density: > 0.9g/cm<sup>3</sup>)****Thickness:** Outsole without cleats, min 3 mm**Cleat Height:** Min 4 mm**Tear Strength:** Min 8 kN/m**Abrasion Resistance:** Max 150 mm<sup>3</sup>**Flexing Resistance:** Max 4 mm cut growth before 30,000 cycles**Hydrolysis:** Max 6mm cut growth before 150,000 cycles**Slip resistance on ceramic with NaLS solution:** forward heel slip  $\geq$  0,31 - backward forepart slip  $\geq$  0,36**Upper/outsole bond strength:** Min 4 N/mm**Perforation Resistance (Type P):** Min 1100 N**Electrical properties (Antistatic):** Min 100 k $\Omega$ , Max 1000 M $\Omega$ **Energy absorption of seat region:** Min 20 J**Toecap Impact Resistance:** 200 J**Toecap Compression Resistance:** 15 kN**ADDITIONAL REQUIREMENTS****Slip resistance on ceramic tile floor with glycerine (SR):**forward heel slip  $\geq$  0,19 - backward forepart slip  $\geq$  0,22**Insulation against cold (CI):** Max 10 °C**Resistance to Fuel Oil (FO):** Max increase in volume 12%**INSOCK (Textile coated PU)****Abrasion Resistance:** No holes before, Dry Min 25600, Wet Min 12800 cycles**Water Absorption:** Min 70 mg/cm<sup>2</sup>,**Water Desorption:** Min 80%**Thickness:** Min 2 mm

## MARKING



CE EN ISO 20345 : 2022 S5 SR CI FO

[www.ddkisguvenligi.com.tr](http://www.ddkisguvenligi.com.tr)

Cedit Ali Paşa Mah. Seymen Yolu Cad. No:9/1

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