

BLACK UNIFORM SHOE  
( MODEL REF. DIPLOMAT02 )  
( PU / TPU SOLE )

TECHNICAL SPECIFICATION

NATO STOCKS NO : 8430-27-0362616



DIPLOMAT02 BLACK SHOE



D PROJECT PU / TPU SOLE

## **1-SUBJECT**

This specification covers the technical specifications, control and test results of Black Officer Shoe – style ref. Diplomat02 Black Shoe ( PU / TPU Sole ).

## **2- SPECIFICATIONS**

### **A. GENERAL**

This shoe is designed according to the office / field conditions. All materials provide comfort and flexibility in usage area.

Full grain good quality leather in black color.

Easy cleaning and easy polish

Breathable leather linings

Blind eyelets are resistant against rust

Padded and comfortable sock insert (inlay sole)

Available fittings are medium and large

Direct injection double density polyurethane – thermo polyurethane sole

Size range is between 39 – 47 (French sizing) / 6 – 12 (British sizing)

Other size ranges are available by cemented sole

Standards: NATO and European (ENISO 20347 – O1)

### **B. TECHNICAL SPECIFICATION**

#### **UPPER :**

|                    |                                  |
|--------------------|----------------------------------|
| Upper Material:    | Full grain cow leather           |
| Color:             | Black                            |
| Thickness:         | 1,4 – 1,6 mm                     |
| Breaking strength: | 2 kgf/mm <sup>2</sup> (minimum)  |
| Tearing strength:  | 10 kgf (minimum)                 |
| pH value :         | 3,5 ( minimum )                  |
| Flexibility :      | No deformation at 100.000 cycles |

#### **LINING :**

|                   |                     |
|-------------------|---------------------|
| Property :        | Breathable          |
| Material :        | Tanned goat leather |
| Colour :          | Beige               |
| Tearing strength: | 4 kgf (minimum)     |
| pH value :        | 3,5 ( minimum )     |

## **LASTING INSOLE BOARD :**

|                  |   |
|------------------|---|
| Material :       | Non-woven fibre board                         |
| Property :       | Anti-static , anti-bacterial , sweat absorber |
| Thickness :      | 2 mm ( minimum )                              |
| Cracking angle : | 90 degree ( minimum )                         |

## **SUPPORTS :**

|                              |                    |
|------------------------------|--------------------|
| Toe cap support :            | Thermoplastic      |
| Thickness :                  | 1,0 mm ( minimum ) |
| Ankle (stiffener ) support : | Thermoplastic      |
| Thickness :                  | 1,6 mm ( minimum ) |

## **ACCESSORIES AND OTHERS :**

|                           |   |
|---------------------------|---|
| Blind Eyelets ( holes ) : | 5 pairs per shoe<br>Rustproof<br>Brass coated nickel                |
| Sewing thread:            | 100 % polyester or 100 % polyamide                                  |
| Laces:                    | 100 % polyester or 100 % polyamide<br>Length: According to the shoe |

## **SOLE :**

|                       |  |
|-----------------------|--|
| Property :            | Double density polyurethane / thermo polyurethane<br>Light weight , flexibility , high performance and comfort<br>Direct injection : It provides durability and resistance against sole – upper separation<br>Anti-static : It provides to minimize electrostatic build up to avoid the risk of spark ignition<br>Energy Absorbing Heel : it provides comfort when jumping walking, running , etc. by absorbing downward force in excess of a body weight<br>Oil Resistant<br>Slip resistant<br>Heat resistant up to 110 °C degree |
| Material :            | Midsole : Polyurethane<br>Outsole: Thermo polyurethane   |
| Colour :              | Black in two layers  |
| Abrasion resistance : | if density < 0,9 : valume loss 250 mm <sup>3</sup> ( maximum )<br>if density > 0,9 : valume loss 150 mm <sup>3</sup> ( maximum )   |
| Flexing resistance :  | 4 mm ( maximum )   |
| Tearing strength :    | 8 kN/m ( minimum )   |

Energy absorption : 20 joules ( minimum )  
Electrical resistance : 0,1 megaohm ( minimum ) – 1000 megaohm ( maximum )

### **3 – QUALITY ASSURANCE**

It is supported by the implementation of ISO 9001:2000 and membership of SATRA (international notified body and laboratory in U.K. ) to audit and test the product.

All raw materials before production and all finished products after production are being tested in our laboratory which has been accredited by Turkish Standard Institute (TSE ) and SATRA.

Product is according to NATO standard.

Each pair of shoe has a customer information leaflet which is put in inner boxes. This leaflet includes information about product, standard and product care.

### **4 - LABELLING AND PACKAGING**

#### **LABELLING:**

Each inner box bears a label sticker which shows product name, size of the shoe, etc.

Each outer box bears a label sticker which shows product name, size of the shoe and quantity pairs, etc.

#### **PACKAGING:**

Each pair of boot is packed separately in tough cardboard box (inner box). Then one set will be packed together.

10 pairs of boots are packed in a ripped cardboard box (outer box). This quantity can be changed according to customer requirement.

Final packaging shall maintain enough protection to prevent any damage of goods under normal shipment and handling conditions.