

## CERTIFICATE OF EU TYPE-EXAMINATION

The **ASOCIACIÓN DE INVESTIGACIÓN PARA LA INDUSTRIA DEL CALZADO Y CONEXAS (INESCOP)**, a Notified Body with registry number 0160, under Regulation (EU) 2016/425 of 9<sup>th</sup> March 2016, **certifies** that the following personal protective equipment:

***Product:*** Safety footwear according EN ISO 20345:2022

***Identification:*** Dunlop Purofort® MK9-A  
*Level of protection* S5L+SR+CI+CR+FO+LG  
*Design* D

has been subjected to examination by this Notified Body, and it has been checked that it complies with the essential requirements of the Regulation and the applicable requirements to PPE category II.

***Applicant:*** Dunlop Protective Footwear  
P.O. BOX, 1  
8100 AA Raalte  
The Netherlands

Elda, 14<sup>th</sup> July 2022. Valid till 14<sup>th</sup> July 2027

Ana Torró Palau  
Head of Certification



Certificate  
No. 0160 0381 22

This certificate is  
complemented by the  
technical annex bearing  
the same number.

**Certificate of EU type-examination no. 0160 0381 22****1.- DESCRIPTION OF THE MODEL**

In accordance with the manufacturer's technical file, the product "Dunlop Purofort® MK-9A, EN ISO 20345:2022, S5L+SR+CI+CR+FO+LG, design D" match the following features:

- Knee-height boot Safety for professional use
- Conceived in accordance with the Standard EN ISO 20345:2022. Level of protection S5L+SR+CI+CR+FO+LG.
- Classification II
- Manufactured sizes: from 37 to 49
- The external appearance of the product is shown in the following photographs:





**Certificate of EU type-examination no. 0160 0381 22****2.- DESCRIPTION OF THE COMPONENTS**

Components subject to control according to EN ISO 20344:2011

- Upper: Polyurethane thermo + compound whit red or black support fabric.
- Collar: Not applicable.
- Lining: Not applicable.
- Tongue: Not applicable.
- Insock: Whole, moulded and removable, made of grey fabric on black cellular material with stitching in forepart.
- Insole: Not applicable.
- Outsole: Polyurethane thermo + compound.
- Toe-cap: Non metallic.
- Penetration resistant insert: Multilayer textile.



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## 3.- LEVEL OF PROTECTION

Applicable technical standards

- Harmonised Standard EN ISO 20344:2021 "Personal protective equipment - Test methods for footwear".
- European Standard EN ISO 20345:2022 "Personal protective equipment - Safety footwear".

Verified properties

The product "Dunlop Purofort® MK-9A, EN ISO 20345:2022, S5L+SR+CI+CR+FO+LG, design D" has met:

1. All the basic requirements specified in tables 2 and 3 of the Standard EN ISO 20345:2022
2. The additional requirements included in table 16 of the Standard EN ISO 20345:2022, which are stated below:
  - Penetration resistance
  - Electrical resistance (antistatic)
  - Cold insulation
  - Energy absorption in the seat region
  - Cut resistance
  - Slip resistance on ceramic tile floor with glycerine
  - Cleated outsole
  - Outsole resistance to fuel-oil
  - Ladder Grip



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Verified properties (cont.)

The verification of compliance with the applicable technical standards is recorded in the following technical reports:

TEST	REPORT No.
<b>General Requirements</b>	
<b>Whole footwear</b>	
Height of upper	C-21113011
Upper/outsole bond strength	C-22075479
Internal length of toe-cap	C-21113011
Toe-cap flange width	C-21113011
Toe-cap covering	C-21113011
Impact resistance	C-21113011
Compression resistance	C-21113011
Behaviour of toecaps	C-21113011
	C-22075479
Leakproofness	C-21113011
Specific ergonomic features	C-21113011
	C-22075479
Slip resistance	C-22075479
Innocuousness	C-21093226
<b>Upper</b>	
Thickness	C-22075479
Tensile strength	C-22075479
Flexing resistance	C-22075479
Hydrolysis	C-22075479
<b>Insock</b>	
Water absorption and desorption	C-22075479
Abrasion resistance	C-22075479
<b>Outsole</b>	
Thickness	C-21113011
Cleated area	C-21113011
Cleat height	C-21113011
Tear strength	C-21113011
Abrasion resistance	C-21113011
Flex resistance	C-21113011
Hydrolysis	C-21113011



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TEST	REPORT No.
<b>Additional requirements</b>	
<b>Whole footwear</b>	
Penetration resistance	C-21113011
Dimensional conformity of penetration resistant insert	C-21113011
Flex resistance of the penetration resistant insert	C-21113011
Behaviour of penetration resistant insert	C-22075479
Electrical resistance	C-21113011
Cold insulation	C-21113011
Energy absorption of seat region	C-21113011
Slip resistance on ceramic tile floor with glycerine	C-22075479
<b>Upper</b>	
Cut protection	C-22075479
<b>Outsole</b>	
Resistance to fuel-oil	C-21113011
Ladder Grip	C-22075479

**4.- MARKING ON THE PRODUCT**

According to the properties verified in the examination of the model, each item of footwear shall be marked with the following information:

- CE Marking (under article 30 of Regulation (EC) 765/2008)
- Size
- Manufacturer's identification mark
- Address
- Product identification
- Batch or serial number



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- Date of manufacture (month and year)
- European Standard Code EN ISO 20345:2022
- Symbols corresponding to the class of protection provided (S5L+SR+CI+CR+FO+LG)

This information shall be clearly and permanently marked in accordance with the criteria established in the applicable directives and technical standards.

**5.- VALIDITY OF THE CERTIFICATE**

The certificate of EU type-examination will only be valid as original document and as long as the conditions under which it has been issued are not altered. It shall be reproduced with no changes.

This notified body shall be informed of any alteration to the components or the information contained in the technical file.