



**HexArmor, Inc**

**MANUFACTURER'S TECHNICAL FILE TO THE  
PPE REGULATION 2016/425**

<b>Reference of the product</b>	<b>:</b>	<b>Helix 3007</b>
<b>Article code</b>	<b>:</b>	<b>/</b>
<b>Technical file index</b>	<b>:</b>	<b>01</b>
<b>Last update</b>	<b>:</b>	<b>MARCH 2022</b>

## IDENTIFICATION

Reference of the product :	:	Helix 3007
Article code :	:	/
Basic Model		
Technical file index :	:	01
Last update :	:	MARCH 2022

### **Manufacturer :**

HexArmor, Inc

640 Leffingwell Ave NE, Grand Rapids, MI 49505

USA

tel : 616.459.4144

fax : 616.459.2242

### **Factory :**

Zhejiang Kanglongda Special Protection Technology Co., Ltd.

NO.7 EAST WEI WU ROAD ,GAIBEI TOWN, SHANGYU CITY ZHE JIANG  
PROVINCE

CHINA

tel: 0575-82825021

fax: 0575-82826860

## GLOVE DESCRIPTION

### General glove description and intended use:

13G black HPPE (high performance polyethylene)+ steel fiber U2 knitted with double red sandy nitrile palm coating, thumb crotch reinforcement, TPR and velcro sewed with a red elastic and pull

This glove is designed against mechanical risks, thermal risks.

Type of coating finish : sandy

### Visual description (picture back and palm sides) :



Risk assessment (Essential Health and Safety Requirement. Annex II - PPE Regulation)			
		Applicable	Covered by
§1	Requirements defined in the Annex II §1 are applicable to all PPE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§1.4	Manufacturer's instructions and information is available	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.5	PPE which may be caught up during use	<input checked="" type="checkbox"/>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input type="checkbox"/> Marking
§2.12	PPE bearing one or more identification markings or indicators directly or indirectly relating to health and safety	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§2.14	Multi-risk PPE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§3.1.1	The PPE is intended to protect against impact caused by falling or ejected objects and collisions of parts of the body with an obstacle	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§3.3	The PPE is intended to protect against mechanical injuries	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking
§3.6	Protection against heat and/or fire	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Instruction for use <input checked="" type="checkbox"/> Marking

## **Glove constitution :**

	Reference	Color	Material	Surfacic mass (g/m <sup>2</sup> )	Gauges	Thickness
Palm		red	double nitrile			1mm
		black	HPPE (high performance polyethylene) + steel fiber	737g/m <sup>2</sup>	13G	
	thumb crotch	black	nitrile			1mm
Back		black	HPPE (high performance polyethylene) + steel fiber	737g/m <sup>2</sup>	13G	
	TPR material	yellow/ grey	PVC			4mm
Cuff		black	HPPE (high performance polyethylene) + steel fiber + elastic	837g/m <sup>2</sup>	13G	
	velcro	black	nylon			
	velcro top	yellow/ grey	pvc			
		silver	iron loop			
		red	polypropylene filament pull			
	cuff gusset	red	spandex		13G	
Binding		black	PU/ polyester backing			

## **PROTECTION SCOPE**

This glove meets the essential requirements of the Personal Protective Equipment Regulation 2016/425.

This glove is designed against mechanical risks, thermal risks.

It is a category II product.

## **GENERAL REQUIREMENTS**

### **Standard EN ISO 21420 : 2020**

Dexterity : 5

Available size range: 6/XS, 7/S, 8/M, 9/L, 10/XL, 11/XXL, 12/XXXL

The hand sizing system is based on hand circumference and hand length as defined in EN ISO 21420 Annex B table B.1

## SPECIFIC REQUIREMENTS AND PERFORMANCE LEVELS

« X » indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.

« 0 » indicates that the glove falls below the minimum performance level for the individual hazard.

### Mechanical hazard EN 388 : 2016 + A1 : 2018

Protection offered	Performance levels
Abrasion resistance	4
Blade cut resistance	X
Tear strength resistance	4
Puncture resistance	3
Cut Resistance method (EN ISO 13997)	D
Impact Protection	P

Impact protection is claimed on the following areas : Back metacarpal knuckles  
The levels of performance have been measured on the palm (except Impact Protection).

### Thermal hazard EN 407 : 2020

Mechanical strength	
Tear strength resistance (N)	≥ 10

Protection offered	Performance levels
Limited flame spread	X
Contact heat	1
Convective heat	X
Radiant heat	X
Small splashes of molten metal	X
Large quantities of molten metal	X

## TEST REPORTS

Laboratory	CTC	Other
EN ISO 21420 + innocuousness	S210706375_3 S210403061_1(DMFu)	
EN 388	S210706375_3 S210706376_1	
EN 407	S210706849_1	

## MARKING - PACKAGING

### Information printed on the glove :

Logo of Manufacturer :

Logo 

Glove's reference : Helix 3007

Article Code : /

Size indicator

Pictograms related to risks against which protection is offered with performance levels

Information pictogram

Address of Manufacturer :

Date of Manufacture (month/year) and/or serial/batch number :

Date of obsolescence (month/year) if applicable:

### Marking example :

**HexArmor<sup>®</sup>**  
**Helix 3007**

   

4X43DP X1XXXX

**HexArmor Inc**  
**640 Leffingwell Ave NE**  
**Grand Rapids, MI 49505**  
**USA**

**LOT:XXXXX 8/M**

### Marking of packaging example :



### Method of marking on the glove :

sewing label on the cuff and the package

### Packaging suitable for transport:

1 pair /OPP bag with UIS and a sticker, 12 pairs/PE bag with a sticker, 36 pairs /carton

### PPE subject to ageing :

The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).

### Cleaning instructions:

The gloves are not washable.

# MEANS OF CONTROL

According to ISO 9001

Our products are produced by full automatic lines, so the quality of the products is stably.

We have professional quality inspectors, those inspectors are full of experience about the products, they can pick out which is the good one and which is the standard, they check the quality every one hour every day, so we can keep the quality always as usual.100% inspection of entering materials, 100% inspection of sewn gloves during ironing, 100% inspection of finished products during packing, then we send them to test EN388,EN ISO 21420.contact heat in CTC each year.

The quality of the staffs are high, they make their work as what it is seriously, we train the staffs regular every year.so they are do their work fluently.





## INSTRUCTION FOR USE

HexArmor, Inc

640 Leffingwell Ave NE, Grand Rapids, MI 49505

USA

Glove reference : Helix 3007

Article code: /

User notice index : 01

Last update : MARCH 2022

**HexArmor**  
**Helix 3007**



4X43DP X1XXXX

**HexArmor Inc**  
**640 Leffingwell Ave NE**  
**Grand Rapids, MI 49505**  
**USA**

**LOT:XXXXX 8/M**

### ***Glove description :***

13G black HPPE (high performance polyethylene)+ steel fiber U2 knitted with double red sandy nitrile palm coating, thumb crotch reinforcement, TPR and velcro sewed with a red elastic and pull

This glove is a personal protective equipment belonging to the category II.

It meets the requirements of the PPE Regulation 2016/425 : innocuousness, comfort, solidity.

It has been subject to a UE-type Examination performed by :

C.T.C. (0075)  
4, rue Hermann Frenkel  
69367 LYON Cedex 07  
FRANCE

### ***Applicable standards :***

The glove meets the requirements of the standard EN ISO 21420:2020 « Protective Gloves - General requirements and test methods ».

Dexterity: 5

Available size range: 6/XS, 7/S, 8/M, 9/L, 10/XL, 11/XXL, 12/XXXL

The hand sizing system is based on hand circumference and hand length as defined in EN ISO 21420 Annex B.

Moreover, this glove has been designed for the following applications :

« X » indicates that the glove has not been submitted to the test or the test method appears not to be suitable for the glove design or material.

« 0 » indicates that the glove falls below the minimum performance level for the individual hazard.

#### Application :

#### Mechanical hazard - EN 388:2016 + A1:2018



4 X 4 3 D P

Levels of performance

Abrasion resistance	4	(on 4 maxi)
Blade cut resistance	X	(on 5 maxi)
Tear resistance	4	(on 4 maxi)
Puncture resistance	3	(on 4 maxi)
Cut Resistance method (EN ISO 13997)	D	(A to F)
Impact Protection	P	

#### Application :

#### Thermal risk - EN 407:2020

Protection against heat without flame



X1XXXX

Levels of performance



Read carefully the instructions for use provided with the product

Limited flame spread	X	(on 4 maxi)
Contact heat	1	(on 4 maxi)
Convective heat	X	(on 4 maxi)
Radiant heat	X	(on 4 maxi)
Small splashes of molten metal	X	(on 4 maxi)
Large quantities of molten metal	X	(on 4 maxi)

## **Protection limit :**

*The glove's area of protection is Palm.*

*This glove cannot be used in an environment with air temperature more than 100°C*

*This glove provides a protection for a limited contact time with hot products.*

*Hand protective equipment cannot be used to handle products with a temperature over 100°C*

*Users should be warned that gloves should not be worn when there is a risk of entanglement by moving parts of machines.*

*This model does not contain any substances at levels that are known to, or suspected to, adversely affect user hygiene or health.*

*The protection against risks or hazards which are not mentioned in this document is not warranted.*

*These levels of performance are obtained from the tests done according to conditions defined by the applicable standards.*

*The levels of performance mentioned are only valid for new gloves, not washed, nor regenerated.*

*Before use, the glove shall be visually inspected for any defect or imperfections. In case of deterioration, the gloves must be scrapped (abrasion, cut, tear, ...).*

*No flame protection is claimed. This glove shall not be in contact with naked flame.*

*For multilayer gloves or multilayer hands protective equipment for thermal domestic risks with different layers of material, the performance levels are warranted only for the whole product.*

*For gloves with two or more layers the overall classification does not necessarily reflect the performance of the outermost layer.*

*The levels of performance against mechanical risks are only valid for the palm of the glove (except Impact protection).*

*Impact protection is claimed on the following areas : Back metacarpal knuckles*

*Impact protection does not apply to the finger.*

## **Storage and cleaning notice**

*Keep in its original packaging, under ordinary temperature and humidity conditions and in clean, covered and ventilated premises.*

*The gloves are not washable.*

## **PPE subject to ageing :**

*The design performance can not be significantly affect by ageing when stored in appropriate conditions (humidity, temperature, clean , ventilated, light).*

## **Declaration of conformity :**

*Available with product.*