

# TECHNICAL DATA SHEET

## PPE CATEGORY III GLOVE ACCORDING FOLLOWING STANDARDS :

- European standard 60 903 : 2003
- International standard IEC 903 : 2002

## APAVE EC TYPE Attestation

N°0077/016/078/09/93/0001 - EXT 02/07/06

**ITEM REF :** 20 910 84

**INDEX :** 04

**DEFINITION :** Insulating natural rubber glove, red colour  
for electric work  
Class 0  
5 000 volts voltage test

**USAGES :** Live working  
**Maximum in use tension : 1 000 volts**

## COMFORT AND EFFICIENCY :

Ces gants gardent toutes leurs caractéristiques dans les catégories  
R : Acide, huile, ozone  
C : résistance aux très basses températures

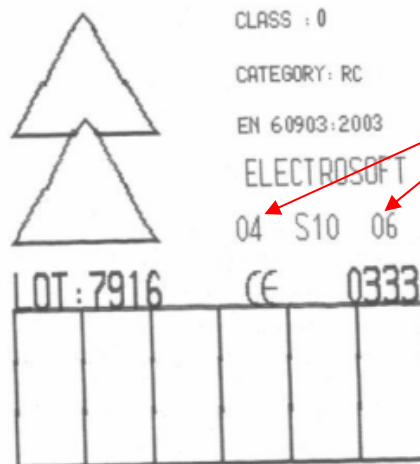
## SIZE TABLE (Measures taken on glove in mm)

Sizes	Palm circumference	Wrist circumference	Cuff opening width	Glove length
8	210 ± 5	210 ± 5	165 ± 5	410 ± 15
9	235 ± 5	235 ± 5	170 ± 5	410 ± 15
10	254 ± 5	244 ± 5	175 ± 5	410 ± 15
11	278 ± 5	254 ± 5	180 ± 5	410 ± 15



## MARKING : This item has to be marked as follows :

**Electrosoft**  
is a registered trademark of  
**Sperian Protection Gloves Autun**  
Registration INPI N°145 484



**Manufacturing month and year**

**Manufacturing lot N°**

**Notified body number following  
up the 11B type manufacturing  
Minimum height 5 mm**

**PACKAGING :** Each pair of gloves is packed in an anti-UV opaque bag that is used as protection and user sheet

**Recto :** standard reference, grade, size, reference, category, length, straight cuff, CE marking and notified organisms address.

**Verso :** Voltage test table, use table, sizes and category tables. The user sheet is written in the destination country language (when the country language is not printed on the bag, a separate user sheet is included inside the bag.)

# TEST REFERENCE

INDEX : 04

TESTING PLAN according standard NF EN 60 903 : 2003

ITEM REF : 20 910 84

Tests carried out	Standard	Tests* results
<b>Visual inspection</b>		
Length	410±15mm	408 to 413 mm
Back thickness	1,0 + 0,6 maxi	1.03 to 1.05 mm
Palm thickness	1,0 + 0,6 maxi	1.02 to 1.07 mm
Workmanship and finish aspect	No defect	RAS
Thumb and index finger thickness	1,0 + 0,6 maxi	1.11 mm
<b>Electric test</b>		
3 minutes at 5000 Volts 50 HZ	5 000 V	5 000 V
Up to 10000 Volts 50 HZ	10 000 V	10 000 V
Leakage current	< 16 mA	6 mA
<b>Mechanical resistance</b>		
Strength at break	> 16 MPa	26,9 MPa
Elongation at break	> 600 %	914 %
Resistance to mechanical puncture	> 18 N/mm	35,7 N/mm
Tension set	< 15 %	0,36 %
<b>Ageing test</b>		
<b>168 hours at 70°C ± 2</b>		
Strength at break	> 80 %	22,5 MPa (83,6%)
Elongation at break	> 80 %	940 % (102,8%)
Tension test	< 15 %	0,49 %
<b>Dielectric tests (after ageing)</b>		
3 minutes at 5000 Volts (50 HZ)	5 000 V	5 000 V
Up to 10000 Volts (50 HZ)	10 000 V	10 000 V
Leakage current	< 16 mA	3.3 mA
<i>Special requirements</i>		
<b>A H2SO4 acid resistance</b>		
<b>32° Baumé 8 hours</b>		
Strength at break	> 75 %	26,0 MPa (90,6 %)
Elongation at break	> 75 %	630 % (81,1 %)
Electric test	5 KV→10 KV	5 KV→10 KV
Leakage current	< 16 mA	6 mA
<b>Z Ozone resistance (Method A)</b>		
<b>3 hours O<sub>3</sub> 54 ppcm at 40°C ± 2</b>		
Visual inspection	No cracks	RAS
Dielectric tests (after ozone resistance testing)		
o 3 minutes at 5000 Volts (50 HZ)	5 000 V	5000 V
o up to 10000 Volts (50 HZ)	10 000 V	10000 V
o Leakage current	< 16 mA	5.4 mA
<b>H ASTM N°1 oils resistance</b>		
<b>24 hours at 70°C ± 2</b>		
Strength at break	> 50 %	14,6 MPa
Elongation at break	> 50 %	965 %
Electric test	10 KV→20 KV	10 KV→20 KV
Leakage current	< 16 mA	3,4
<b>C Extremely low temperature resistance</b>		
<b>24 hours at - 40°C</b>		
Visual inspection	No cracks	RAS
Dielectric test	2,5 KV→5 KV	5 KV→10 KV
Leakage current	< 14 mA	6 mA

\* Test results from APAVE

LAB N°0621655-R01-Rév1

RC results of conformity

# MANUFACTURING and UPDATE

**ITEM REF : 20 910 84**

**INDEX : 04**

**MANUFACTURER :**

- SPERIAN Protection Gloves Autun, 25 Porte d'Autun, 71400 SAINT FORGEOT

**SHAPES :**

- Standard
- Sizes 8 – 9 – 10 – 11


**MATERIALS :**

- Naturel Latex red colour
- Thickness 1 mm + 0,6
- Mix red natural latex      Réf. 29 195 07

**MANUFACTURING ACCORDING QUALITY PLAN SF 09 C**

**MANUFACTURING FOLLOW UP :**

- According 11B procedure settled by AFAQ, notified body number 0333

04	26/03/08	Change of name Bacou-Dalloz there Sperian	 ERIC CONTESTI 23/07/2008
03	13/11/06	Marking chapter correction	
02	03/07/06	EC type attestation from APAVE – 60903:2003	
01	26/06/06	Request of extension EC type attestation	
00	27/06/05	Setting up	
<b>Indice</b>	<b>Date</b>	<b>Modifications</b>	<b>Visa du RAQ</b>

The overseer of the placing on the market in the European Community  
**SPERIAN Protection Gloves Autun, 25 PORTE D'AUTUN, 71400 SAINT FORGEOT**

=====

Manufacturer :  
**SPERIAN Protection Gloves Autun, 25 PORTE D'AUTUN, 71400 SAINT FORGEOT**

Declares that the new Personal Protective Equipment describes hereafter :

- **Insulating glove for live work**
- **Reference : 20 910 84**
- **Class 0 - Category RC - Lenght 360 mm**
- **Insulating natural rubber glove, red colour**
- **Straight cuff**
- **Tests made according standard EN 60 903 : 2003**

This personal protective equipment submitted for EC type examination procedure (as mentioned in the directive 89/686/EEC and in the article R.233-152 of French law) and for procedure defined in the articles R 233-69 to R 233-72.1 is the same equipment item that received the following EC type examination certificate :

**N° 0077/016/078/09/93/0001 – EXT 02/07/06**

**Delivered by :** **A.P.A.V.E. Parisienne N°0077**  
13 – 17 Rue Salneuve  
75854 PARIS CEDEX 17



is submitted for procedure indicated in the article 11B of directive 89/686/EEC and describes in the articles R 233-69 to R 233-72.1 of French Law (system of EC quality insurance of manufacturing under supervision) under the monitoring of notified body :



**AFNOR Certification N°0333**

11, rue François de Pressensé  
FR 93571 La plaine Saint-Denis Cedex

**Saint Forgeot :** July, 23th, 2008

**SPERIAN PROTECTION  
GLOVES AUTUN  
25, Porte d'Autun - Saint Forgeot  
71400 AUTUN  
SIRET 439886 730 00027  
APE 251 E**



**By :** **J.F. ORFILA – Production Manager**

**ENVIRONNEMENT  
CERTIFICATS  
EQUILIBRE**