



**DISPOSABLE  
PROTECTIVE CLOTHING**

 **SPERIAN**  
Protection you can trust





# Protection at work from head to toe

## An expert in personal protective equipment

Sperian Protection's mission is to protect men and women working in risk environments. This mission has led us to design high-quality equipment that combines technology, comfort and ergonomics to meet the requirements of all types of professions and work environments.

Sperian Protection is a global market leader and offers a complete range of personal protective equipment.

## Protection you can trust

For workers to concentrate fully on their work, they must have absolute confidence in their protective gear. Quality and reliability are of paramount importance. Because we recognise that our products are essential to our customers, each and every day, we ensure that they provide protection that is fully functional, comfortable and aesthetic.

Choosing Sperian Protection means you get the most from the expertise and know-how that we have developed day after day, year after year, in constant contact with professionals in all manner of trades. Our solutions are inspired directly by the real-life situations that our clients experience in their workplaces. This in-depth awareness of your needs is your guarantee of optimum security and productivity at all times as you go about your business. This is our watchword, «Protection you can trust».

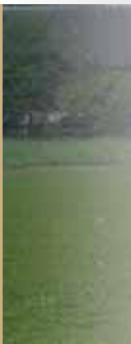


Sperian has a global presence

**N°1**  
worldwide in  
eye protection

**N°1**  
worldwide in  
fall protection

**N°2**  
worldwide in  
hearing protection



## Specialist in disposable products

The experience gained over more than 30 years in the production of protective overalls and the in-depth knowledge of the various constraints in industries as diverse as chemicals, petrochemicals, food, health, etc., mean that Sperian has world renowned expertise in the analysis of personal protection needs.

Sperian pays particular attention to the design of its products, incorporating both the constraints arising from regulatory standards and those related to comfort and convenience of use.

Thanks to its worldwide offices, Sperian is able to provide an effective response to the needs of professionals around the world. This also makes it possible to encourage the routine use of protective equipment and, consequently, to improve individual safety on a daily basis.

Disposable protective equipment is used mainly in the following sectors:

- Chemical / petrochemical
- Laboratories
- Waste disposal
- Asbestos removal
- Industrial cleaning
- Industrial maintenance
- Industrial painting
- Automobile
- Mechanical work
- Agriculture
- Food industry
- Police
- Electronics
- Emergency services
- Medical sector
- Pharmaceutical industry
- Humanitarian
- Healthcare
- Catering
- Transport of hazardous substances







## EUROPEAN STANDARDS

In the 1989 Directive 89/686/EEC, the European Economic Community defined the requirements that the Personal Protection Equipment must meet in order to preserve the health and safety of users.

Risks are classified into 3 categories:

- **CATEGORY 1 : MINOR RISKS**
- **CATEGORY 2 : INTERMEDIATE RISKS**
- **CATEGORY 3 : SERIOUS OR FATAL RISKS**







Pictogram	Description	Standards
	Chemical protection - Type 3, 4, 5 and 6	EN 14605 Type 3 and 4 EN 13982-1 Type 5 EN 13034 Type 6
	Protection against the build up of electrostatic charges*	EN 1149
	Protection against particulate radioactive contamination**	EN1073-2
	Protection against biological agents	EN 14126
M1 EN533	Protection against the spread of flames*** - fire retardant treatment	NFP 92 507 EN533

\* When the earthing has been correctly done. Static electricity can not be managed in isolation (jacket, trousers...) but always as part of comprehensive anti-static equipment.

\*\*Does not protect against radioactivity

\*\*\*Does not protect from flames  
- limits inflammation if it catches fire  
- do not use in the event of fire

To choose the suitable chemical protective clothing, 6 levels of protection - or «types» - are defined by the European Union:

Type	Pictogram	Description	Standards
Type 1		Gas-tight clothing	EN 943-1 EN 943-2
Type 2		Non-gas-tight clothing	EN 943-1
Type 3		Protection against pressurised liquid chemicals (violent splashes)	EN 14605
Type 4		Protection against liquid chemical aerosols (spray)	EN 14605
Type 5		Protection against airborne solid particulate chemicals	EN 13982-1
Type 6		Protection against liquid chemical mists	EN 13034



# MATERIALS AND GUIDE

## Quality materials for maximum protection



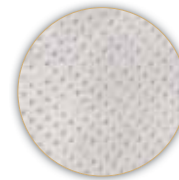
### Polyethylene (Spacel type):

- Fully sealed
- High mechanical and chemical resistance.



### Polyethylene laminated polypropylene (Mutex 2 type):

- Resistant
- Versatile



### Polypropylene (Deltasafe type):

- Breathable
- Comfortable

Conditions of use	Risks	Category	Type	Coveralls	Code	Page
<b>Protection against high risk substances For the presence of liquids</b>						
• by direct spray	SERIOUS OR FATAL	CAT.3	Type 3-5 Type 3-5 Type 3-5 Type 3-5	SPACEL® 3000 RA/EBJ SPACEL® 3000 RA/GC/PS SPACEL® 4000 RA/EBJ SPACEL® 4000 RA/GC/PS	41 801 49 45 730 20 41 801 61 45 740 40	6 6 7 7
• by aerosol	SERIOUS OR FATAL	CAT.3	Type 3-5	SPACEL® 3000 RA/EBJ	41 801 49	6
• diluted with a chemical - > 40% and solvent spray	SERIOUS OR FATAL	CAT.3	Type 3-5 Type 3-5	SPACEL® 3000 RA/EBJ SPACEL® 4000 RA/EBJ	41 801 49 41 801 61	6 7
- < 40%	SERIOUS OR FATAL	CAT.3	Type 5-6 Type 5-6	MUTEX 2 DELTASAFE	41 800 02 45 714 50	10 8
<b>For the presence of particles</b>						
• < 1 micron	SERIOUS OR FATAL	CAT.3	Type 3-6	SPACEL® 3000 RA/EBJ	41 801 49	6
• > 1 micron	SERIOUS OR FATAL	CAT.3	Type 5-6 Type 5-6	MUTEX 2 DELTASAFE	41 800 02 45 714 50	10 8
<b>Protection against low risk substances</b>						
• particles > 1 micron	INTERMEDIATE	CAT.2	Type 6 Type 6	SPACEL® 3000 EBJ SPACEL® 3000 AP/EBJ	41 801 40 41 801 33	11 11
• chemicals splashes			Type 6	SPACEL® 3000 AP/RA/EBJ	41 801 48	11
<b>Protection against low risk substances</b>						
				SPACEL® 2000 EBJ SPACEL® 2000 AP/EBJ	41 801 30 41 801 31	12 12
<b>Protection against low risk substances</b>						
• Hygiene	MINOR	CAT.1	X	PLP nonwoven coverall PLP nonwoven coverall PLP nonwoven coverall PLP nonwoven coverall	45 714 35 41 801 43 45 714 34 45 714 32	13 13 13 13
	X	X	X			

# CATEGORY 3 > SERIOUS OR FATAL RISKS



Type 3 & 5

## SPACEL 3000® RA/EBJ\*

Ref.: 41 801 49

- Three-layer polyethylene coverall
- Thickness: 100 µ (micron\*)
- Yellow
- Sizes 2 to 6
- 25 units per carton individually wrapped



## ADVANTAGES:

### Leakproof

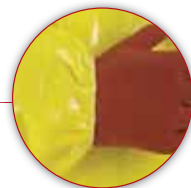
- "Spaseal" weld - Sperian exclusivity
- Adhesive flap
- Elasticated wrists, ankles and hood

### Resistance

- Very good abrasion, tear and puncture resistance
- Material stretchable up to 400%

### Safety

- Smooth surface - excellent removal of liquids
- High visibility colour



Elasticated wrists



OPTION

OR

Adhesive gloves



Adhesive flap



Elasticated ankles

OR



OPTION

Overshoes integrated

OPTION

## SPACEL® 3000 RA/GC/PS

- 10 units per carton individually wrapped
- Ref.: 45 730 20

## APPLICATIONS

- Chemical/Petrochemical
- Pharmaceutical industry
- Industrial maintenance and cleaning
- Decontamination of contaminated environments
- Transport of hazardous substances
- Healthcare
- Emergency services

Enhanced protection from head to toe

\* 1 µm equals 1 / 1,000,000 m = 1 × 10<sup>-6</sup> m = 1 micron

\*RA: Adhesive flap - EBJ: Arm and leg elastics - GC: Adhesive gloves - PS: Welded feet - AP: ventilated protected



Type 3 & 5

### SPACEL® 4000 RA/EBJ

Ref.: 41 801 61

- Three-layer polyethylene coverall
- Thickness: 150 µ
- Green
- Sizes 2 to 6
- 25 units per carton individually

### ADVANTAGES:

#### Leakproof

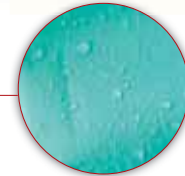
- "Spaseal" weld - Sperial exclusivity
- Adhesive flap
- Elasticated wrists, ankles and hood

#### Resistance

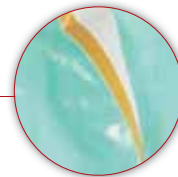
- Very good abrasion, tear and puncture resistance
- Material stretchable up to 400%

#### Safety

- Smooth surface - excellent removal of liquids



Smooth surface



Adhesive flap



Elastic wrists



Adhesive gloves

OPTION

OR



Elasticated ankles



Overshoes integrated

OPTION

OR

OPTION

### SPACEL® 4000 RA/GC/PS

- 10 units per carton individually wrapped
- Ref.: 45 740 40

### APPLICATIONS

- Chemical/Petrochemical
- Pharmaceutical industry
- Industrial maintenance and cleaning
- Decontamination of contaminated environments
- Transport of hazardous substances
- Healthcare
- Emergency services/ Work in polluted areas

Enhanced protection from head to toe

# CATEGORY 3 > SERIOUS OR FATAL RISKS



EN533/M1

## DELTASAFE

Type 5 & 6



Ref.: 45 714 50

- 4-layer polypropylene
- Weight: 60g/m<sup>2</sup>
- White
- Sizes S to XXXL
- 25 units per carton individually wrapped



### Advantages:

#### M1

- **EN 533 and M1 certified:** fire-retardant treated material, reduces the risk of ignition

#### Enhanced safety

- **Antistatic\*\***
- **Double flap** - inside and outside
- **Very good abrasion, tear and puncture resistance**

#### Comfort

- **Excellent breathability:** as comfortable as a T-shirt
- **Dual slider zip**

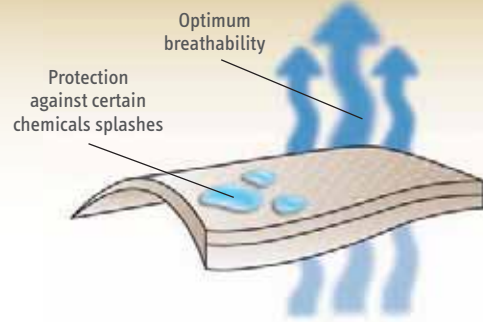
\* FR: Flame retardant

\*\* Avoids the build up of electrostatic charge which may be a source of ignition for fire or explosion.



Inside and outside flap, dual slider zip

### Breathable



### APPLICATIONS

- Chemical industry
- Refineries
- Industrial maintenance and repair
- Services
- Petrochemical
- Nuclear
- Energy suppliers



# >>> A safe and versatile coverall



## DELTASAFE Category III, types 5 and 6, antistatic, M1

Because just a few seconds can make all the difference...

> Flame retardant

> Breathable

> Antistatic

### FEATURES

- 4-layer polypropylene non-woven
- 60g/m<sup>2</sup>
- Flexible and lightweight
- Flame retardant / self extinguishing
- Antistatic
- Excellent breathability

### SECTORS

- Chemical industry
- Petrochemical industry / Refineries
- Pharmaceutical industry / Laboratories
- Industrial maintenance
- Agriculture
- Fuel distribution

# CATEGORY 3 > SERIOUS OR FATAL RISKS



Type 5 & 6

## MUTEX 2

Ref.: 41 800 02

- Polypropylene laminated with microporous polyethylene film
- Weight: 69g/m<sup>2</sup>
- White
- Sizes S to XXXL
- 25 units per carton individually wrapped

### ADVANTAGES:

#### Enhanced protection

- **Certified** against biological agents
- **No seams** on the shoulders
- **Double flap** - inside and outside

#### Resistance

- **Tear resistant** crotch design
- **Maxi-wide» seams** for extra security
- **Very good resistance** to liquid penetration and tear

#### Ergonomics & comfort

- Generous cut under the arms for **greater freedom of movement**
- **Dual slider zip**
- **Guaranteed** silicone and latex-free



Loose fit underarm



Inside and outside flap, dual slider zip



Tear resistant crotch design

### APPLICATIONS

- Chemical/Petrochemical
- Electronics
- Industrial maintenance
- Cleaning of contaminated environments
- Asbestos
- Biohazards
- Pharmaceutical industry / Laboratories
- Automobile
- Industrial painting
- Emergency services

# CATEGORY 2 > INTERMEDIATE RISKS



## SPACEL® 3000 EBJ

Ref.: 41 801 40

- Three-layer polyethylene coverall
- Thickness: 100 µ
- Yellow
- Sizes 2 to 6
- 25 units per carton individually wrapped



## ADVANTAGES:

### Resistance

- **Very good abrasion**, tear and puncture resistance
- Material stretchable **up to 400%**

### Safety

- **Smooth surface** - excellent removal of liquids
- **High visibility** colour



Smooth surface

OPTION 1



Back ventilation

OPTION 2



Adhesive flap

## APPLICATIONS

- Industrial cleaning
- Industrial maintenance
- Laboratories
- Emergency services/ Work in polluted areas
- Healthcare
- Chemical
- Pharmaceutical industry

OPTION 1

## SPACEL® 3000 AP/EBJ

- 10 units per carton individually wrapped
- Ref.: 41 801 33

More comfort thanks to the back ventilation system which removes heat better.

OPTION 2

## SPACEL® 3000 AP/RA/EBJ



- 10 units per carton individually wrapped
- Ref.: 41 801 48

Enhanced safety thanks to the double flap.

# CATEGORY 1 > MINOR RISKS

## SPACEL® 2000 EBJ

Ref.: 41 801 30

- Polyethylene coverall
- Thickness: 50 µ
- Blue
- Sizes 2 to 6
- 50 units per carton individually wrapped

## ADVANTAGES:

### Protection

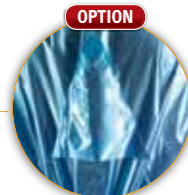
- **Smooth surface** - excellent removal of liquids

### Comfort

- Light-gauge material - **50 µ**



Smooth surface



OPTION  
Back ventilation

## APPLICATIONS

- Industrial cleaning
- Industrial maintenance
- Pharmaceutical industry
- Work in inclement weather
- Healthcare
- Laboratories

### OPTION

## SPACEL® 2000 AP/EBJ

- 10 units per carton individually wrapped
- Ref.: 41 801 31

**More comfort thanks to the back ventilation system which removes heat better.**





### HOODED JUMPSUIT

Ref.: 41 801 43

- Polypropylene coverall
- Weight: 40 g/m<sup>2</sup>
- White
- Sizes 3 to 5
- 25 units per carton in sachets of 5

#### ADVANTAGES:

##### Comfort

- Excellent breathability

#### APPLICATIONS

- Hygiene
- Food industry
- Pharmaceutical industry
- Factory visits
- Cleaning
- Catering
- Laboratories

#### OPTION

### COLLARED JUMPSUIT

Ref.: 41 714 34

- Sizes 3 to 5

### HOODED JUMPSUIT

Ref.: 45 714 35

- Polypropylene coverall
- Weight: 40 g/m<sup>2</sup>
- Blue
- Sizes 3 to 5
- 25 units per carton in sachets of 5

#### ADVANTAGES:

##### Comfort

- Excellent breathability
- 2 pockets
- Dark colour masks soiling

#### APPLICATIONS

- Hygiene
- Food industry
- Pharmaceutical industry
- Factory visits
- Cleaning
- Catering
- Laboratories
- Mechanical work

#### OPTION

### COLLARED JUMPSUIT

Ref.: 45 714 32

- Sizes 3 to 5



## > FOUL WEATHER CLOTHING

### RAINLIGHT RAINSUIT

Ref.: 45 750 45

- Polyethylene suit
- Thickness: 100 µ
- Yellow
- Sizes M to XL
- 25 units per carton

#### ADVANTAGES:

- Hooded jacket with **elasticated cuffs**
- Trousers: **Elasticated waist and ankles**
- 25cm zip at the neck for **easy dressing**



### APRON

Ref.: 45 737 00

Cat 2 - Type 6

- Polyethylene apron
- Thickness: 100 µ
- Yellow
- Sizes 2 to 6
- 50 units per carton

#### AVANTAGES :

- Closes at the back with 2 laces
- Elasticated wrists

## ACCESSORIES > Overboots

### GENERAL FEATURES:

#### Uses

- Equipment to protect against hazards whose effects are easily reversible: benign cleaning products, diluted detergent solutions, fats, etc

#### APPLICATIONS

- Chemical
- Energy
- Construction
- Petrochemical
- Laboratories
- Mechanical work

### NON-WOVEN WITH PE SOLE 80µ



- **material:**  
White polypropylene 45g  
Polyethylene sole 80µ
- **Dimensions:**  
Overshoe height: 15.5 cm  
Width sole: 16 cm
- **Packaging:**  
100 pairs per carton

Code	Length (cm)	Colour
45 598 24	40	White
45 598 25	40	Blue

- + Highly resistant
- + Anti-skid
- + 2 colours

### NON-WOVEN WITH PE SOLE 60µ



- **material:**  
White polypropylene 45g  
Polyethylene sole 60µ
- **Dimensions:**  
Overshoe height: 15.5 cm  
Width sole: 13 cm
- **Packaging:**  
150 pairs per carton

Code	Length (cm)	Colour
45 598 26	40	White
45 598 27	40	Blue

- + Lightweight and comfortable
- + Anti-skid
- + 2 colours

### CRIMPED PE OVERSHOES 130µ



- **material:**  
Crimped polyethylene 130µ
- **Dimensions:**  
Length: 38 cm  
Height front: 19.5 cm
- **Packaging:**  
200 pairs per carton

Code	Length (cm)	Colour
45 598 01	38	White

- + Extremely resistant
- + Leakproof
- + Anti-skid

## ACCESSORIES > Overboots, Cuffs, Asbestos Bag

### CRIMPED PE OVERBOOTS 130µ



- **material:**  
Crimped polyethylene 130µ
- **Dimensions:**  
Height: 43 cm
- **Packaging:**  
100 pairs per carton

Code	Size	Length (cm)	Colour
45 799 08	S	36	White
45 799 09	M	42,5	White

- + Extremely resistant
- + Leakproof
- + Anti-skid

### CRIMPED PE OVERBOOTS 70µ



- **material:**  
Crimped white polypropylene 70µ
- **Dimensions:**  
Height: 45 cm
- **Packaging:**  
250 pairs in sachets of 25 pairs

Code	Length (cm)	Colour
45 799 11	40	Transparent

- + Leakproof
- + Anti-skid

### SPACEL CUFFS



- **material:**  
Polyethylene 30µ
- **Dimensions:**  
Length: 45 cm  
Width: 20 cm
- **Colour:**  
White
- **Packaging:**  
100 pairs per carton

Code
45 700 01

- + Enhanced safety
- + Leakproof

### DISPOSAL BAG FOR ASBESTOS CONTAMINATED ITEMS



- To dispose of clothing and accessories that have been in contact with asbestos
- Adhesive closure zip and flap.

Code
45 981 02



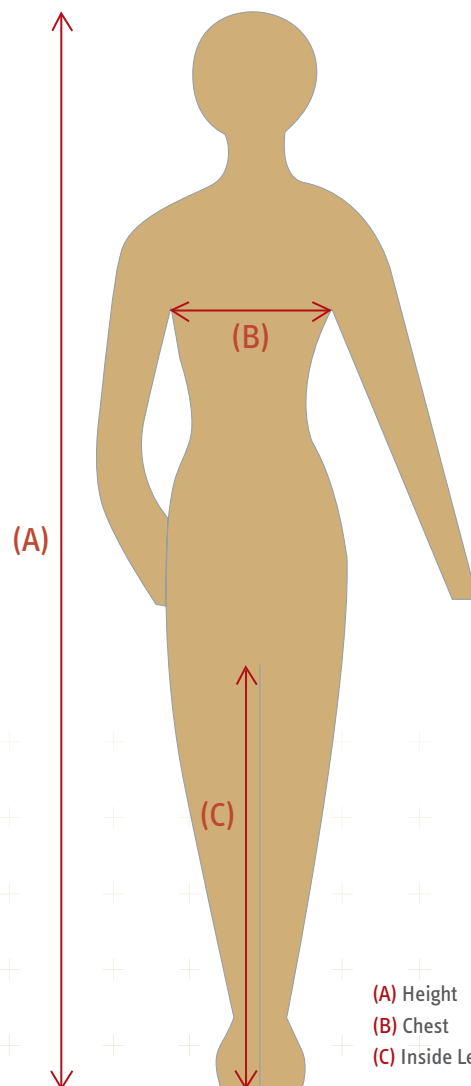
## COVERALLS > Choosing the right size

### Spacel range sizes

Size	2	3	4	5	6
Height (cm)	152-164	164-176	176-188	188-200	200-212
Inside Leg	80	85	90	97	97
Chest (cm)	76-140	76-140	76-140	76-140	76-140

### Sizes other coveralls

Size	S/2	M/3	L/4	XL/5	XXL/6
Height (cm)	164-170	170-176	176-182	182-188	188-194
Chest (cm)	84-92	92-100	100-108	108-116	116-124



- (A) Height
- (B) Chest
- (C) Inside Leg

# Sperian also offers a full range of personal protective equipment from head to toe.

Examples of equipment for the petrochemical environment:



DURAMAXX™ TQG CLEAR  
Réf. : 10 177 50



OPTIFIT  
Réf. : 17 150 11



OPENGO  
Réf. : 17 288 01



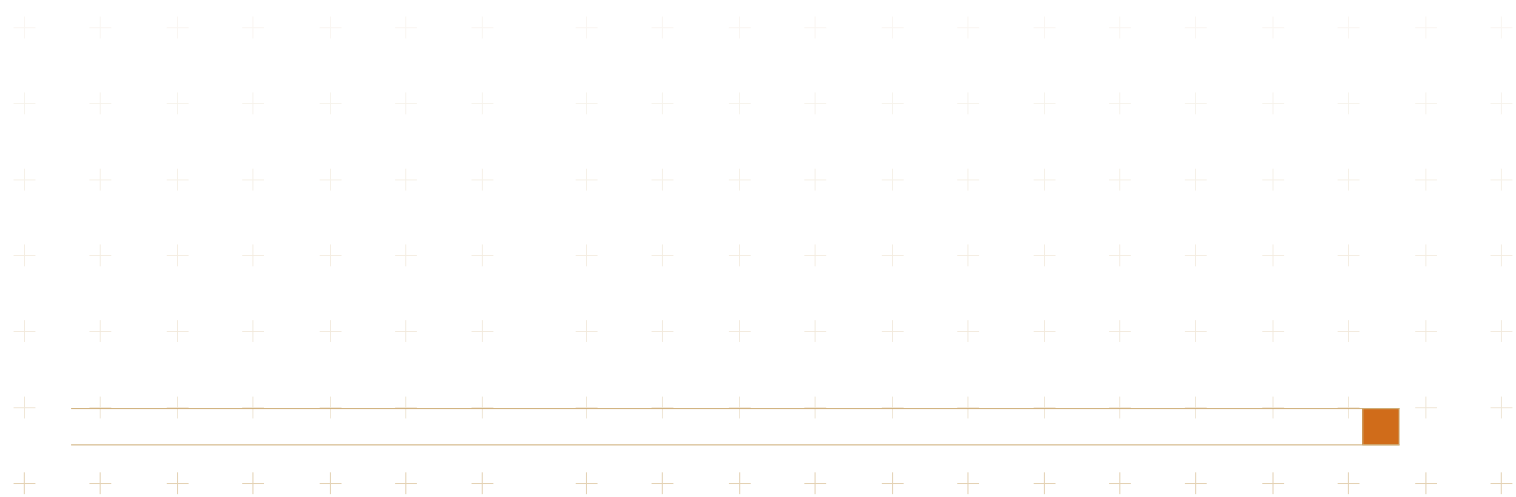
REDGRIP KN 27 G  
Réf. : 20 063 30



BACOU BAC'RUN  
CHEMICAL S3 HRO SRC  
Réf. : 62 458 56



ATEX ANTISTATIC HARNESS  
Réf. : 10 150 75



Distributor

**SPERIAN PROTECTION (UK) LIMITED**

Unit 3 Elmwood  
Chineham Park  
Basingstoke  
RG24 8WG  
Phone: +44 (0) 1256 693 200  
Fax: +44 (0) 1256 693 300  
uksales@sperianprotection.com

International:

**SPERIAN PROTECTION**

Immeuble Edison Paris Nord 2  
33 rue des Vanesses  
BP 55288 Villepinte  
95958 Roissy CDG Cedex  
France  
Tel : +33 (0)1 49 90 79 79 Fax : +33 (0)1 49 90 71 38  
info-export@sperianprotection.com