



**DISPOSABLE WORKWEAR**



## EUROPEAN STANDARDS FOR DISPOSABLE PPE

The garments for chemical protection belong to the category III defined by **89/686/cee directive**. This category groups together the PPE intended for the protection against serious or irreversible risks. Standards have been developed at European scale concerning test methods and performance levels applicable to PPE for each of the characteristics of physical and chemical protection tested :

- **EN465:** Garments for chemical protection
- **EN369:** Garments for chemical protection
- **EN468:** Garments for chemical protection
- **EN374 - 2:** Gloves for micro - organisms protection
- **EN374 - 3:** Gloves for chemical protection

Furthermore, projects of European standards have been established and **6 types of garments** have been defined by the **CEN/TC162 for chemical protection garments** :

- **TYPE 1** Tight to gases
- **TYPE 2** Tight to gases, non tight joint
- **TYPE 3** Tight to liquids
- **TYPE 4** Tight to aerosols
- **TYPE 5** Tight to particles
- **TYPE 6** Tightness limited to splashes and particles

The types are determined by submitting the whole garment to tests. Type tests include :

- Test for seams resistance
- Test for internal leak (only type 1)
- Test for internal pressure (only type 1)
- Performance test into practice
- Test for movement easiness in 7 stages
- Test for squirt (type 3) according to EN463
- Test for aerosols (type 4) according to EN468
- Test for particles (type 5) according to CEN/TC162/WG3/G3/N81
- Test limited for aerosols (type 6) according to EN463.

## EN465 STANDARD: GARMENTS FOR CHEMICAL PROTECTION

Relative to performance requirements for chemical protection garments with fogs tight joints between the different parts of the garments.

## EN369 & 468 STANDARD: GARMENTS FOR CHEMICAL PROTECTION

Garments for chemical protection. Protection against liquid chemicals. Test methods: materials resistance to fog penetration.

## EN374-2 STANDARD: GLOVES FOR MICRO-ORGANISMS PROTECTION

The EN374-2 standard specifies a test method for the resistance to penetration of protective gloves by chemicals and / or micro - organisms. When the gloves resist to penetration, and when tested according to this section of the EN374 standard, they constitute an effective barrier against microbiological risks.

## EN374-3 STANDARD: GLOVES FOR CHEMICAL PROTECTION

The EN374 - 3 standard regards the determination of the materials resistance constituting the gloves for permeation by non gaseous chemicals potentially dangerous in case of continuous contact. It is therefore advisable to insist on the fact that this test does not account for the conditions liable to be met during service, and it is highly recommended to use the test results, which have an essentially relative value, only to compare materials by high categories of time of passage.



## TYVEK LAB COAT PL309

- Collar
- Zip
- 2 pockets
- Inside seams

Product Code: DCT01DS - White  
Sizes S to XXL



## TYVEK LAB COAT PL30

- Collar
- 5 snappers
- 3 pockets

Product Code: DJK01DS  
White  
Sizes M to XXL



## TYVEK LAB COAT PL30NP

- Collar
- 5 snappers
- Without pockets

Product Code: DCT02DS - White  
Sizes S to XXL

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## TYVEK TROUSERS PT31LO

- Without pockets
- Elasticated waist

Product Code: PTR01DS - White  
Sizes S to XXL



## TYVEK JACKET PP33

- With hood
- Zip

Product Code: PJK01DS  
White  
Sizes S to XXL



## TYVEK APRON PA30LO

- With flap
- With 2 bands to be tied at back
- Length 108mm

Product Code: PAP05DS - White



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## TYVEK HOOD PH30LO

- Hood & Flange assembled with overcasting
- Elastic around the neck & face



Product Code: PHT05DS - White



## TYVEK BOOT COVERS POB0

- H 48cm
- L 42cm
- Elastic on top



Product Code: DOS01DS - White



## TYVEK BOOT COVERS POBA

- H 48cm
- L 42cm
- Elastic on top
- Slip retardant



Product Code: DOS08DS - White



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## TYVEK SLEEVES PS32LA

- 50cm
- Points of seam on the higher blue rubber band
- Adjustable



Product Code: DGL01DS - White



## TYVEK SHOE COVERS POS0

- L40cm
- Elastics on ankle



Product Code: POS02DS - White



## TYVEK SHOE COVERS POSA

- Elastic on ankle
- Slip Retardant
- Antistatic



Product Code: POS10DS - White



# DISPOSABLE WORKWEAR

## TYCHEM C STANDARD, MODEL CHA5 TYCHEM F STANDARD, MODEL CHA5

Combination of chemical and biological protection in lightweight limited use garment. Excellent protective clothing materials. Easy to dispose of since the protective clothing contains no halogen compounds. Reliable and constant quality: each garment is visually checked before leaving production. The garments are designed to provide the right fit and ease of movement for the wearer when completing difficult tasks. Comfortable, wearers feel better in them since they are extremely lightweight and very flexible. Antistatic properties.

### Possible areas of application:

Chemical industry, pharmaceutical industry, petroleum and crude oil environments. Tank cleaning, inspection and maintenance. Agrochemical handling, decommissioning of production plants, decontamination of contaminated land and work sites, disposal of hazardous materials, industrial cleaning and maintenance, military applications, emergency response services, disease and disaster management, medical applications.

### Chemical Protective Coveralls, Category III



Type 3	Type 4	Type 5	Type 6	EN 14126 Type 3B	EN 1149-1	EN 1073-2

### Design Features:

Hooded Coverall. Elasticated hood and self-adhesive chin flap for tight fit around respirator. Double self-adhesive zipper flap offers high level of protection. Elasticated cuffs and ankles. Elasticated waist for better fit of garment. Stretch rubber thumb loop attached to the end of the sleeve (for safety reasons the use of the thumb loop is only recommended when a second glove is worn).

**Seams:** Stitched and overtaped, offering equal barrier as fabric.

**Size:** S to XXXL

**Product Code:** PBS09DS - Tychem C Standard, Model CHA5 - Yellow  
DBS04DS - Tychem F Standard, Model CHA5 - Grey

### Colour Codes:

#### TYCHEM C:



Yellow

TYC CHA5T YL 00



Green

TYC CHA5T GR 00

#### TYCHEM F:



Grey

TYF CHA5T GY 00



Green

TYF CHA5T GR 00



Orange

TYF CHA5T OR 00

\* DuPont pictograms. \*\* The antistatic treatment is only effective when relative humidity is >25% \*\*\* Gives no protection against radioactive radiation.



## TYCHEM C STANDARD WITH SOCKS, MODEL CHA6 TYCHEM F STANDARD WITH SOCKS, MODEL CHA6

Same design features as model CHA5, plus:  
Socks attached to the ankle for wearing inside safety boots or shoes with additional knee length boot flap to ensure high level of protection.

**Sizes:** S to XXXL yellow

**Codes:** See under corresponding colours



Tychem C:  
Yellow  
TYC CHA5T YL 00



Tychem F:  
Grey  
TYC CHA5T GY 16

# DISPOSABLE WORKWEAR

## PROSHIELD COMFORT 60 (MODEL CHF5)

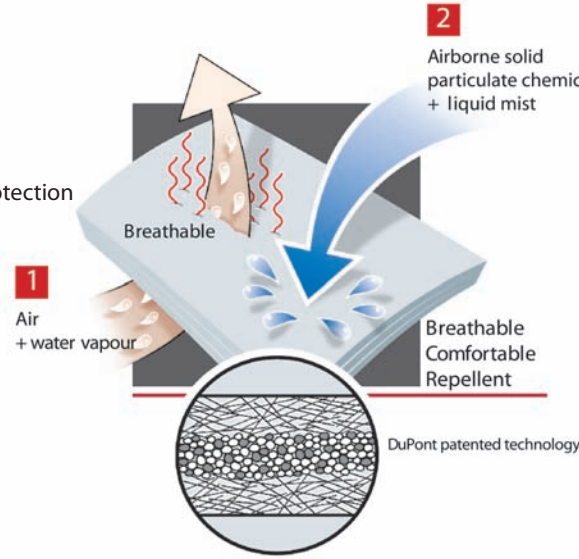
Transfers heat from the body keeping you cooler and dryer. Garment design engineered for comfort with uncompromising freedom of movement. 3-piece hood. Nylon Zipper with integral zipper protection. Elasticated waist for optimum fit. Ample crotch area. Elasticated cuffs and ankles. External sewn seams.

For applications that are less demanding in terms of barrier but highly demanding in terms of comfort:

- Brick & ceramic firing
- Glass or rubber manufacturing
- Foundries and smelting operations

### Design Features:

- 3 piece hood
- Nylon zipper with integral zipper protection
- Elasticated waist
- Ample crotch area
- Elasticated cuffs & ankles



Chemical Protective Coverall, Category III



Type 5	Type 6	EN 1149-1



\* DuPont pictograms. \*\* The antistatic treatment is only effective when relative humidity is > 25%.

Product Code: PBS30DS - White Size: S to XXXL



## PROSHIELD 10 (MODEL CHF5)

Limited particle protection. High comfort level. Good air and water vapour penetration.

### Applications:

- Maintenance workloads
- Limited level of exposure as defined by Type 5 & Type 6

### Design Features:

- Hood
- Nylon zipper with zipper flap
- Sewn seams, inside
- Elasticated waist
- Elasticated cuffs and ankles

Chemical Protective Coverall, Category III



Type 5	Type 6	EN 1149-1	EN 1073-2



\* DuPont pictograms. \*\* The antistatic treatment is only effective when relative humidity is > 25%.

Product Code: PBS20DS - White Size: S to XXXL



# DISPOSABLE WORKWEAR

## TYVEK INDUSTRY (MODEL CCF5)

Reliable particle protection. Protects your products and processes. Limits risk of cross contamination. Can be disposed of easily and economically. Optimum comfort. Reliable quality.

### Possible areas of application:

Biomedical research, clean rooms, electronics, pharmaceuticals, food industry, automotive industry, paint spraying applications, surface treatment.

### Design Features:

- Collared coverall.
- TYVEK zipper with zip flap for improved safety offering higher level of tightness.
- Elasticated cuffs and ankles for good fit of garment openings.
- Elasticated waist for safe fit of garment and wearer comfort.
- Internal stitched seams reducing risk of contamination from garment by reducing particle penetration from inside the garment to outside.

### Chemical Protective Coverall, Category III



Type 5*	Type 6*	EN 1149-1**	EN 1073-2***



\* DuPont pictograms.

\*\* The antistatic treatment is only effective when relative humidity is > 25%.

\*\*\* Gives no protection against radioactive radiation.

Product Code: DBS06DS - White Size: S to XXXL



## TYVEK CLASSIC (MODEL CHF5)

The optimum protective barrier. optimum durability and optimum comfort. Reliable quality. hassle-free disposal. Easy to dispose of do not contain halogen compounds. Ergonomic 3-piece hood allowing easy movement of head. Elasticated cuffs, ankles and waist for good fit of garment. External stitched seams for enhanced protection against penetration from outside to inside the garment.

### Possible areas of application:

Chemicals, pharmaceuticals, industrial cleaning and maintenance, automotive industry, food processing, land clean-up.

### Design Features:

- Ergonomic 3-piece hood allowing easy movement of head without disturbing view of the wearer.
- TYVEK zipper with zip flap for improved safety offering higher level of tightness.
- Elasticated cuffs and ankles for good fit of garment openings.
- Elasticated waist for safe fit of garment and wearer comfort.
- Seams: Internal stitched seams reducing risk of contamination from garment by reducing particle penetration from inside the garment to outside.

### Chemical Protective Coverall, Category III



Type 5*	Type 6*	EN 1149-1**	EN 1073-2***



• DuPont pictograms.

•• The antistatic treatment is only effective when relative humidity is > 25%.

••• Gives no protection against radioactive radiation.

Product Code: PBS03DS - White Size: S to XXXL  
PBS26DS - Green Size: S to XXXL



# DISPOSABLE WORKWEAR

## TYVEK CLASSIC PLUS (MODEL CHA5)

Barrier against many inorganic chemicals in low concentrations and particles larger than 1µm. Barrier against solid biological contaminated particles of risk group 1 and 2\*\*\*\*. Optimum comfort. Electrostatic protection if properly grounded. Protection against radioactive particles. Easy to dispose of, do not contain halogen compounds. Hood shape and elastic around hood are designed for tight fit around full face respirator.

### Possible areas of application:

Chemical industry, nuclear industry, cleanroom applications, contaminated land clean-up, industrial cleaning and maintenance, pharmaceuticals, electronics, emergency response, asbestos industry and others.

### Design Features:

Hood shape and elastic around hood are designed for tight fit around full face respirator. Self-adhesive zipper flap with integrated chin flap. Stretch rubber thumb loop attached to the end of the sleeve which prevents the suit from riding up. Elasticated waist for better fit of garment. External stitched seams for enhanced protection against penetration from outside to inside of garment.



### Chemical Protective Coverall, Category III



Type 4 *	Type 5 *	Type 6 *	EN 14126 Type 4B	EN 1149-1	EN 1073-2



\* DuPont pictograms.

\*\* The antistatic treatment is only effective when relative humidity is > 25%.

\*\*\* Gives no protection against radioactive radiation.

\*\*\*\* If disinfection is not applied

Product Code: PBS31DS - White Size: S to XXXL

## TYVEK CLASSIC PLUS WITH SOCKS, MODEL CHA6

Same design features as model CHA5, plus: socks attached to the ankle for wearing inside safety boots or shoes with additional knee length boot flap to ensure high level of protection. Stitched and overtaped seams offering equal barrier as fabric.



Product Code: PBS23DS - White Size: S to XXXL

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## BODY PROTECTORS

Body Protectors are general purpose coveralls designed for light protection against non-toxic liquids and dust. They are strong and comfortable and are ideal for use in warehouses, general manufacture, DIY, packing or cleaning. Strong, durable fabric. Storm flap over zip. Elasticated hood, cuffs and ankles. Generous cut for comfort. Produced under clean room conditions.

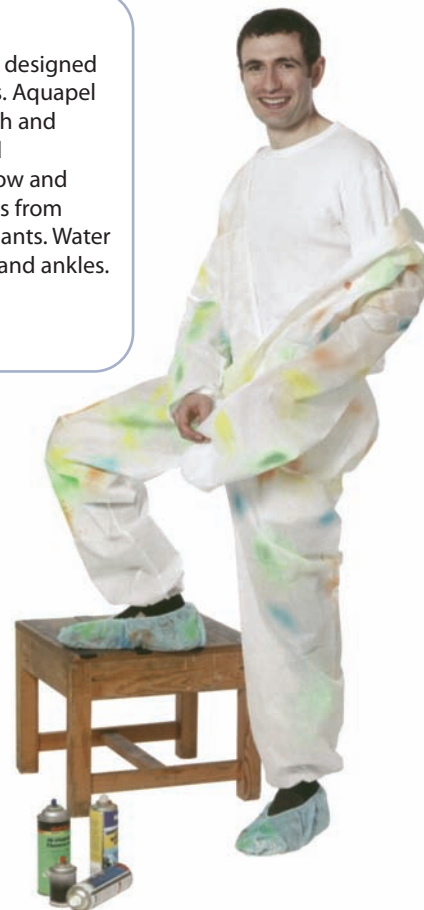
Product Code: PBS25DS Sizes S-XXL



## AQUAPEL COVERALL

The Aquapel Coverall has been specially designed to protect from chemical liquids and oils. Aquapel fabric offers excellent resistance to splash and ensures that the wearer remains dry and comfortable. Available in white and yellow and suitable for a broad range of applications from engineering workshops to processing plants. Water and oil resistant, elasticated hood, cuffs and ankles. 2-way zip.

Product Code: PBS24DS Sizes S-XXL



## CANDEX COVERALL

The Candex Coverall is breathable and meets with CE Type 5 & 6 protection which means that it is resistant to noxious dust and splash. The Candex Coverall is ideal for a wide range of applications and has been designed to be both practical and comfortable with a 2-way zip, storm flap and a generous cut.

### Key Features:

- CE Type 5 & 6 for noxious dust and splash
- 2-way zip with storm flap
- Elasticated cuffs, ankles and waist
- Breathable fabric



CE O120



Product Code: PBS21DS - White Sizes S-XXL (Also available in red)

