

Protection and safety at work



ProChem® I

Material
CLF® | F | CPM® | C



ProChem® II

Material
CLF® | F



ProChem® III

Material
CLF® | F | CPM® | C



ProChem® IV

Material
CLF®



ProChem® V

Material
CLF®



ProChem® VI

Material
TK

ProChem® Line



PROTEC®
Comfort



PROTEC®
Classic



PROTEC®
Plus

PROTEC® Line



MULTI
Econ



MULTI
Klean



MULTI
Tee



MULTI
Splash

MULTI® Line

ProChem® I

ProChem® II

ProChem® III

ProChem® IV

ProChem® V

ProChem® VI



EN 1149-5 EN 14126 EN 1073-2 Type 3 Type 5 Cat. III



Coverall Prochem® III F

Cat. III, Type 3B, 5



ProChem® III F, made of the antistatic material Tychem® F, is a full protection suit designed for use with a filter unit.

The model also provides optimal protection against radioactive fibers, particles and dust as well as against liquid organic and inorganic chemicals in high concentrations (also under pressure) and biological hazardous substances. The suit also provides protection against combat agents. In the standard version, it has elastic thumb loops to prevent the sleeves from slipping when working overhead. The entrance to the suit is located across the back and is closed with a double Velcro cover. If the suit and any optional elements are not contaminated and / or mechanically damaged during operation, it is possible to reuse it. Incorrect guard closure can also be corrected without any problems. The use of a filtering device eliminates the use of a face mask and extends its lifetime. Placing it underneath the suit (only the filters are on the outside) prevents its contamination. The high-transparency panoramic visor provides an excellent field of view.

Application:

Removal of contamination, work on decontamination, work with solid and liquid hazardous substances, inspections of machinery and equipment, work in clean rooms, pharmaceutical industry, industrial coatings, visiting workplaces, nuclear technologies, work with varnishes and paints, agriculture and plant protection.

Standard design (without options):

- 1 Elastic ribbing on sleeves, legs and waist
- 2 Double zipper flap with Velcro closure
- 3 Transverse front entry opening
- 4 Loose fit for optimal freedom of movement
- 5 Elastic thumb loops



Material: Tychem® F

Material properties:

Color: orange, grey

Weight: 120 g/m²

Fabric physical properties	Test method	Unit	Result	EN Class
Abrasion resistance	EN 530:2010	Cycles	>2000	6 / 6
Puncture resistance	EN 863:1997	N	26	2 / 6
Trapezoidal tear resistance L/Q	ISO 9073-4:1999	N	L 40 / Q 35	2 / 6
Tensile strength	EN ISO 13934-1:2013	N	L 240 / Q 245	3 / 6
Surface resistance at 25% RH	Test EN 1149-1 Standard EN 1149-5	Ohm	2,5 x 10 ⁹ Ohm	
Basis weight	DIN ISO 536	Gr./m ²	120	N/A

Options:

The following additional options for ProChem® suits are at your disposal:

- A Socks (EX area, ergonomic)
- B Shoe upper cover
- C Reinforcement on elbows and knees
- D Connection cover with glove
- E Double pleat fastened with doppel tape
- F Chemical protection gloves
- H Shoe covers with anti-slip and anti-static sole

We are happy to provide you with configuration support and individualization.

Option examples:

Option A+B:
Socks with additional leg covers



Option F:
Chemical-resistant gloves F2 (foil laminate *)



* Gloves required for the foil laminate model
Gloves (options F2 and F3)

CE:

Type 3B: Protective clothing against exposure pressurized fluid stream	EN 14605
Type 4: Spray-resistant protective clothing	EN 14605
Type 5: Resistant protective clothing against solid particles	EN ISO 13982-1
Type 6: Limited tightness against sprays:	EN 13034 + A1
Biobarrier	EN 14126
Antistatic	EN1149-5
Counteracting radioactive contamination	EN 1073-2

Permeation data Tychem® F – ISO 6529

Chemical	Physical state	CAS	EN 369
Acrylamid	Liquid	79-06-01	> 480 min.
Formic acid (50%)	Liquid	64-18-6	> 480 min.
Formic acid	Liquid	62-53-3	> 480 min.
Aniline	Liquid	8006-61-9	> 480 min.
Benzene	Liquid	71-43-2	> 480 min.
Chlorine	Liquid	7782-50-5	> 480 min.
Diesel fuel	Liquid	-	> 480 min.
Diethylamine	Liquid	109-89-7	> 480 min.
Acetic acid (Glacial acetic acid)	Liquid	64-19-7	> 480 min.
Ethyl acetate	Liquid	141-78-6	> 480 min.
Ethylene oxide	Gas	75-21-8	120 min
Hydrofluoric acid	Liquid	7664-39-3	> 480 min.
Formaldehyde (37%)	Liquid	50-00-0	> 480 min.
Hexane	Liquid	110-54-3	> 480 min.
Methanol	Liquid	67-56-1	> 480 min.
Sodium hydroxide (50%)	Liquid	1310-73-2	> 480 min.
Phenol (85%)	Liquid	108-95-2	280 min.
Phosgene	Gas	75-44-5	> 480 min.
PCB	Liquid	11097-69-1	> 480 min.
Nitric acid (70%)	Liquid	7697-37-2	> 480 min.
Sulphuric acid (98%)	Liquid	8014-95-7	> 480 min.
Styrene	Liquid	100-42-5	> 480 min.
Tetrachlorethylene	Liquid	127-18-4	> 480 min.
Toluene	Liquid	108-88-3	> 480 min.
Vinyl acetate	Liquid	108-05-4	> 480 min.
Hydrogen peroxide (50%)	Liquid	7722-84-1	> 480 min.
Xelene (Iso-mix)	Liquid	1330-20-7	> 480 min.

* Does not provide protection against radioactive radiation.

Attention! All ProChem® suit models are certified as limited-life chemical protective clothing. Only the user decides whether the suit can be reused. Protek-System is not liable in any way for improper use of the suits. For ProChem® suits, Filtering Breathing Apparatus is not included. Please clarify with your supplier which breathing apparatus fits your model in advance.