

Protection and safety at work



ProChem® Line

PROTEC® Line

MULTI® Line

**ProChem® I**

ProChem® II

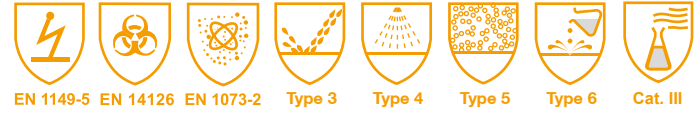
ProChem® III

ProChem® IV

ProChem® V

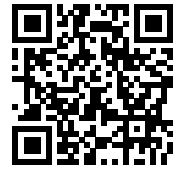
ProChem® VI





## Coverall Prochem® I F

Cat. III, type 3B, 4, 5, 6



ProChem® I F

The ProChem® I F coverall provides effective protection against high concentrations of organic and inorganic chemicals, biological hazards, and contamination from particles, fibers and dust (including radioactive). The suit also offers protection against toxic warfare agents.

The standard design of the ProChem® I F coverall includes functional elements such as thumb loops to prevent the sleeves from slipping when working overhead. The zipper is covered with two flaps closed with Velcro. Velcro fastening allows the re-use of an uncontaminated suit, unfastening it during use as well as correcting improper closure.

### Application:

Removal of pollutants (e.g. asbestos), fire brigade and rescue services, work on decontamination, work with solid and liquid hazardous substances, inspections of machinery and equipment, work in clean rooms, cleaning of tanks and canals, agriculture and plant cultivation, visiting workplaces, pharmaceutical industry, industrial coatings, construction work, food industry, police investigations, nuclear technology, work with varnishes and paints.

### Standard design (without options):

- 1 Elastic ribbing on sleeves, legs and hood
- 2 Ergonomic hood
- 3 Double zipper cover, fastened with Velcro, extended to the chin
- 4 Adjustable chin guard with Velcro closure
- 5 Loose cut for freedom of movement
- 6 Elastic thumb loops



Material: Tychem® F

Material properties:

Colour: grey, orange

Weight: 120 gr/m2

Fabric physical properties	Test method	Unit	Result	EN-Class
Abrasion resistance	EN 530 (Meth. 2)	Cycle	>2000 Z	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 <sup>^9</sup> Ohm	
Basis weight	DIN ISO 536	Gr./m <sup>2</sup>	120	N/A

### Option:

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:

**A + B options:**  
Socks with an additional shoe upper cover

**Option F:**  
chemical gloves



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
Antistatic	EN 1149-5
Biobarrier	EN 14126
Counteracting radioactive contamination	EN 1073-2

### Permeation data Tychem® F – EN 369

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.