

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 Type 3 Cat. III





## Coverall Prochem® IV CLF

Cat III, type 3\* (PB\*)



ProChem® IV CLF is a two-piece full protection suit made of antistatic fabric. The model provides protection against liquid organic and inorganic chemicals in high concentrations (also under pressure) and biological hazardous substances. The suit also provides protection against combat agents. The front upper part of the jacket has a large visor for an excellent field of vision. The rear part is designed so that the breathing apparatus is worn under the suit. The mask, device, cylinder (s), pressure reducing apparatus and lung protection apparatus are therefore not exposed to contamination. Pants can be precisely adjusted to the user's height with the help of belts. ProChem® IV CLF can be easily, quickly and safely put on and taken off.

If the ProChem® IV CLF suit and any optional equipment are not contaminated or mechanically damaged during operation, it can be reused.

In the standard version, the model has thumb loops to prevent the sleeves from slipping while working overhead.

\* = reported. | \*\* = PB = PB - Partial Bodywear.

### Application:

Work on decontamination, work with solid and liquid hazardous substances under pressure, protective clothing for medical rescue services and firefighters.

### Standard design (without options):

- 1 Elastic ribbing on sleeves and legs
- 2 Extended back (to accommodate SCBA)
- 3 Viewfinder with large field of view
- 4 Elastic thumb loops



Material: CLF®

### Material properties:

Colour: green, orange, olive, white

Weight: 130 g/m<sup>2</sup>

Właściwości fizyczne materiału	Metoda badania	Jednostka	Wynik	Klasa EN
Odporność na ścieranie	EN 530:2010	Zyklen	>2000	6 / 6
Odporność na przebicie	EN 863:1997	N	28	2 / 6
Odporność na rozerwanie	ISO 9073-4:1999	N	L 114 / Q 118	5 / 6
Wytrzymałość na rozciąganie	EN ISO 13934-1:2013	N	L 243 / Q 236	3 / 6
Właściwości antyelektrostatyczne, opór powierzchni zewnętrznej	Test EN 1149-1 Standard EN 1149-5	Ohm	< 1,2 x 10 <sup>8</sup>	
Waga	DIN ISO 536	Gr./m <sup>2</sup>	130	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 and leg covers



**Option F:**  
Chemical gloves (butyl)



CE:

Type 3B: Protective clothing against exposure pressurized fluid stream	EN 14605
Antistatic	EN 1149-5
Biobarrier	EN 14126
Counteracting radioactive contamination	EN 1073-2

### Permeation data CLF – ISO 6529

Chemical	Physical state	CAS	EN 369
Aceton	Liquid	67-64-1	> 480 min.
Ammoniak Lsg. (25%)	Liquid	1336-21-6	> 480 min.
Barium hydroxide (10%)	Liquid	17194-00-2	> 480 min.
Benzol	Liquid	71-43-2	> 480 min.
Calcium hydroxide (10%)	Liquid	1305-62-0	> 480 min.
Dichloromethane	Gas	75-09-2	> 480 min.
Acetic Acid (100%)	Liquid	64-19-7	> 480 min.
Formaldehyde (37%)	Liquid	50-00-0	> 480 min.
Heptan n-	Liquid	142-82-5	> 480 min.
Potassium hydroxide (40%)	Liquid	1310-58-3	> 480 min.
Sodium chloride saturated	Liquid	7647-14-5	> 480 min.
Sodium cyanide saturated	Liquid	143-33-9	> 480 min.
Sodium fluoride saturated	Liquid	7681-49-4	> 480 min.
Caustic soda (40%)	Liquid	1310-73-2	> 480 min.
Phosphoric acid (85%)	Liquid	7664-38-2	> 480 min.
Pyridine	Liquid	110-86-1	> 480 min.
Nitric acid (70%)	Liquid	7697-37-2	> 480 min.
Hydrochloric acid (37%)	Liquid	7647-01-0	> 480 min.
Sulphuric acid (96%)	Liquid	7664-93-9	> 480 min.
Toluene	Liquid	108-88-3	> 480 min.
Hydrogen peroxide (32%)	Liquid	7722-84-1	> 480 min.
<b>Warfare agents</b>	Tested to MIL Standard		
Yperite (Mustard gas, Lost)	Gas	505-60-2	4320 min.
Lewisite	Liquid	541-25-3	2400 min.
Soman	Liquid	96-64-0	7200 min.
Vx	Liquid	50782-69-9	9300 min.
Chlorins	Gas	7782-50-5	440 min.
Ammonia	Gas	7664-41-7	90 min.
Hydrogen chloride	Gas	7647-01-0	1320 min.
hydrogen fluoride	Gas	7664-39-3	3840 min.
Sulphur dioxide	Gas	7446-09-5	54 min.