

Protection and safety at work



ProChem® Line

PROTEC® Line

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 4	Type 5	Type 6	Cat. III



## Coverall Prochem® I CPM

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

The ProChem® I CPM® E coverall is a reliable construction with excellent barrier properties. It provides very high protection against biological hazardous substances and liquid chemicals under pressure up to 2 bar. ProChem® I CPM® E meets special requirements for protection against inorganic contamination. Due to its functional properties, this coverall is a popular and economically interesting protective equipment for use in the medical care sector and protection against infections, especially in epidemic protection.

Elastic thumb loops prevent sleeves from slipping when working overhead. Tight seams, a zipper covered with a double taped flap and a glued chin guard guarantee optimal tightness.

Our integrated and optional solution provide the user with maximum wearing comfort in addition to the actual protective function. During the design phase, we paid a lot of attention to critical areas such as the hood, sleeve opening and crotch area, thus facilitating maximum mobility.

### Application:

Removal of pollutants (e.g. asbestos), decontamination work, work with solid and liquid hazardous substances (under pressure of up to 2 bar), work in clean rooms, inspections of machinery and equipment, visiting workplaces, industrial coatings, construction work, tank cleaning and canals, agriculture / plant protection, food industry, pharmaceutical industry, police investigations, nuclear technology, chemical plant demolition.

### 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



ProChem® I CPM® E



Material: CPM®

### 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



**Variant E:**  
Self-adhesive chin guard. Double pleat fastened with doppel tape.



Material properties:

Colour: blue, yellow

Weight: 95 g/m<sup>2</sup>

Fabric physical properties	Test method	Unit	Result	EN-Class
Abrasion resistance	EN 530:2010	Cycle	>2000	6 / 6
Puncture resistance	EN 863:1997	N	16	2 / 6
Trapezoidal tear resistance	EN ISO 9073-4:1999	N	L 77,5 / Q 44,7	3 / 6
Tensile strength	EN ISO 13934-1:2013	N	L 140 / Q 85	2 / 6
Surface resistivity	Test EN 1149-1 Standard EN 1149-5	Ohm	< 2,5 x 10 <sup>9</sup>	
Weight	DIN ISO 536	Gr./m <sup>2</sup>	95	N/A

### 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 CPM – EN 369

Chemical	Physical state	CAS	EN 369
Benzalkonium chlorides (10%)	Liquid	63449-41-2	> 480 min.
Chromium oxide (60%)	Liquid	1333-82-0	> 480 min.
Glutaraldehyde (60%)	Liquid	111-30-8	> 480 min.
Hydrofluoric acid (50%)	Liquid	7664-39-3	> 480 min.
Hydrogen peroxide (33%)	Liquid	7722-84-1	> 480 min.
Pure isopropanol	Liquid	67-63-0	> 480 min.
Sodium hypochlorite (10-15%)	Liquid	7681-52-9	> 480 min.
Caustic soda (40%)	Liquid	1310-73-2	> 480 min.
Oxalic acid saturated	Liquid	144-62-7	> 480 min.
Peracetic acid (10%)	Liquid	79-21-0	> 480 min.
Phosphoric acid (85%)	Liquid	7664-38-2	> 480 min.
Nitric acid (69%)	Liquid	7697-37-2	> 480 min.
Hydrochloric acid (37%)	Liquid	7647-01-0	> 480 min.
Sulfuric acid (96%)	Liquid	7664-93-9	> 480 min.
Hydrogen peroxide (32%)	Liquid	7722-84-1	> 480 min.