

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® Line

MULTI® Line

ProChem® I

ProChem® II

ProChem® III

ProChem® IV

ProChem® V

ProChem® VI



PROTEC®
Comfort



PROTEC®
Classic



PROTEC®
Plus



MULTI®
Econ



MULTI®
Klean



MULTI®
Tee



MULTI®
Splash



EN 1149-5 EN 14126 EN 1073-2 Type 3 Type 4 Type 5 Type 6 Cat. III



ProChem® II CLF®



Coverall Prochem® II CLF®

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

The ProChem® II CLF overall provides the wearer with effective protection against solid and liquid substances (organic, inorganic, biologically contaminated) and chemical warfare agents.

The CLF material increases the comfort of work - it reduces the noise level (rustling) while working, and the inner fleece is pleasant to the touch and absorbs moisture. The entrance to the suit is located at the back, which means that the front part (where dirt is most common) has increased tightness, a hydrophobic zipper and a masking strip allow for multiple unfastening, fastening and re-use if the suit has not been contaminated before.

The sealed face opening with butyl frame seals perfectly the connection to the face mask and eliminates the need for tape.

The standard version also has elastic thumb loops. They prevent sleeves from rolling up when working with raised arms. The legs in the standard version are finished with welts.

Application:

Removal of contaminated sites, decontamination work, Handling of solid and liquid hazardous substances, Inspection, revision, construction, Industrial painting, cleaning of tank canals, agriculture / plant protection, food industry, pharmaceutical industry, resin coatings, nuclear industry, paints and varnishes, fire service fire and rescue services.

Standard design (without options):

- 1 Elastic ribbing on sleeves, legs and waist
- 2 Butyl face shield
- 3 Cover strip with hydrophobic zipper
- 4 Transverse rear entry opening
- 5 Voluminous cut in crotch
- 6 Elastic thumb loops

Material: CLF®

Material properties:

Colour: olive, orange, white

Weight: 130 g/m²

Fabric physical properties	Test method	Unit	Result	EN - class
Abrasion resistance	EN 530:2010	Cycle	>2000	6 / 6
Puncture resistance	EN 863:1997	N	28	2 / 6
Trapezoidal tear resistance L/Q	ISO 9073-4:1999	N	L 114 / Q 118	5 / 6
Tensile strength	EN ISO 13934-1:2013	N	L 243 / Q 236	3 / 6
Surface resistance	Test EN 1149-1 Standard EN 1149-5	Ohm	< 1,2 x 10 ⁸	
Basis weight	DIN ISO 536	g/m ²	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 F
Chemical-resistant gloves



CE:

Typ 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 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%)	Gas	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.
Warfare agents	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.