

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



PROTEC®
Comfort



PROTEC®
Classic



PROTEC®
Plus



MULTI
Econ



MULTI
Klean



MULTI
Tee



MULTI
Splash

ProChem® Line

PROTEC® Line

MULTI® Line

ProChem® I

ProChem® II

ProChem® III

ProChem® IV

ProChem® V

ProChem® VI





Coverall Prochem® VI TK

Cat. III, Type 1a ET



The ProChem® VI model is a one piece full protection suit made of Tychem® TK material. Provides protection against gases, as well as against radioactive fibers, particles and dust as well as against liquid, organic and inorganic chemicals in high concentration (also under pressure) and biological hazardous substances. The suit also provides protection against combat agents.

It has successfully passed the tests according to EN943-1: 2002 (type 1a) and EN943-2 (type 1a-ET) and thus complies with the current Vfdb 08/02 directive. The suit entrance is on the side and the camera is worn underneath the suit.

The ends of the sleeves are a system of double gloves (inside: foil gloves, outside: chloroplylene or butyl gloves). In the standard version, the model has legs finished with tightly attached socks (option A) and covers for the upper of the shoe (option B), optionally there is also a finish with gas-tight boots (EN ISO 20345-S 5 P / option E). The glove and boot mounting system allows for their easy replacement without the use of tools. The high-transparency panoramic viewfinder provides an excellent field of view. If the suit and any options are not contaminated and / or mechanically damaged during operation and the leak test is successful, it can be reused.

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

Application:

Chemical and petrochemical accidents, handling of dangerous goods, CBRN protection, insect control.

Standard design:

- 1 Extremely light and tear-resistant material
- 2 Panoramic viewfinder for excellent visibility
- 3 Loose fit for optimal freedom of movement
- 4 Shoe socks with a drip edge, alternatively gas-tight shoes
- 5 Internal straps system to ensure the suit is properly positioned



ProChem® VI TK

Material: Tychem® TK

Material properties:

Colour: light green

Weight: 400 g/m²

CE:

Type 1A: Gas-tight clothing | EN 943-2:2002 (ET)

Product advantages:

safe working time 5 years maintenance-free *. The tightness test must be carried out when not in use and the packaging is undamaged after 5 years at the earliest, and then at annual intervals (or after each use).

* No care and maintenance is required for the first five years, unless the suit is worn (in which case the suit must be pressure tested after use and at annual intervals thereafter). Chemical and petrochemical accidents, handling of dangerous goods, CBRN protection, insect control.

Permeation data Prochem® TK – EN 369

Chemical	Stan skupienia	CAS	EN 369	EN-Class
Acetaldehyde	Liquid	75-07-0	> 480 min.	6
Ammonia (- 70 ° C)	Liquid	7664-41-7	> 480 min.	6
Methyl isocyanate	Liquid	624-83-9	> 480 min.	6
Vinyl acetate	Liquid	108-05-4	> 480 min.	6
Chloroform	Liquid	67-66-3	> 480 min.	6
Dichlormethan	Gas	75-09-2	> 480 min.	6
Fluorobenzene	Liquid	462-06-6	> 480 min.	6
Nitric acid (> 90% fuming)	Liquid	7697-37-2	> 480 min.	6
Hydrofluoric acid (92%; 90 ° C)	Liquid	7664-39-3	> 480 min.	6
Hydrofluoride	Gas	7664-93-3	> 480 min.	6
Sulfur dioxide	Gas	7446-09-5	> 480 min.	6
Vinyl chloride	Gas	75-01-4	> 480 min.	6
Methyl chloride	Gas	74-87-3	> 480 min.	6
1,3-butadiene	Gas	106-99-0	> 480 min.	6
Hydrogen chloride	Gas	7647-01-0	> 480 min.	6
Methyl mercaptan	Gas	74-93-1	> 480 min.	6
Ethylene oxide	Gas	75-21-8	> 480 min.	6

Material properties

Material properties	Test method	Unit	Result	PI class	Minimum required power class according to EN 943-2: 2002
Abrasion resistance	EN 530:2010	cycles	>2000	6 / 6	4 / 6
Puncture resistance	EN 863:1997	N	28	2 / 6	2 / 6
Tear resistance	ISO 9073-4:1999	N	L 114 / Q 118	5 / 6	3 / 5
Tensile strength	EN ISO 13934-1:2013	N	L 243 / Q 236	4 / 6	4 / 6
Surface resistance	EN 1149-1	Ohm	Not antistatic	N/A	N/A
Basis weight	DIN ISO 536	g/m ²	400 g/m ²	N/A	N/A
Thickness	DIN EN ISO 534	µm	730 µm	N/A	N/A
Flame resistance	EN 13274-4 metoda 3		No droplets, no burns, no holes	N/A	
Inflammation resistance	EN 13274-4 metoda 3		After the flame was removed, no part ignited or continued to burn	1	1
Seams strength	ISO 5082:1982 attachment A2	N	607	5/6	5/6