

protek-system.pl

PROTEK system ProChem® VITK

Protection and safety at work

















ProChem[®] III

ProChem[®] IV

ProChem[®] V

ProChem® VI











































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

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: chloropylene 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.

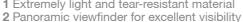
Application:

Chemical and petrochemical accidents, handling of dangerous

- 1 Extremely light and tear-resistant material

goods, CBRN protection, insect control.

Standard design:



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 posiMaterial: Tychem ® TK

Material properties:

Colour: light green Weight: 400 g/m2

Type 1A: Gas-tight clothing

EN 943-2:2002 (ET)

Product advantages:

afe 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 pow- er 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/m2	400 g/m2	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 attachement A2	N	607	5/6	5/6

Attention! Certain activities, the environment and conditions of hazardous substances may require the use of coveralls with higher mechanical strength and better protective properties than those provided by PROCHEM. Make sure you choose the right suit for the protection you require. All ProChem® suit models are certified as limited-life chemical protective clothing. Only the user decides