

Chemical & Liquid Jet Resistant Protective Clothing

Designed for hazardous conditions. Fully liquid-proof protective clothing provides an outstanding barrier against various chemicals, liquid jets and infective agents.

- Outstanding barrier against chemical hazards
- Optimum protection & high identification
- Lightweight & durable
- Sealed seam offers premium protection

PERFORMANCE OF ULTITEC 4000

CHEMICAL RESISTANCE	CAS NO.	BREAKTHROUGH TIME	CLASS
Acetic Acid (>95%)	64-19-7	12	1
Acetone	67-64-1	Imm.	--
Acetonitrile	75-05-08	Imm.	--
Ammonia (30%)	7664-41-1	14	1
Ammonium Hydroxide (28%)	1336-21-6	28	1
Benzene	71-43-2	Imm.	--
Carbon Disulphide	75-15-0	Imm.	--
Chromic Acid (80%)	7738-94-5	> 480	6
Dichloromethane	75-09-02	Imm.	--
Diesel Fuel	----	7	--
Diethylamine	109-89-7	Imm.	--
Ethyl Acetate	141-78-6	Imm.	--
Formaldehyde (10%)	50-00-0	135	4
Formic Acid (85%)	64-18-6	> 480	6
Hydrochloric Acid (37%)	7647-01-0	15	1
Hydrofluoric Acid (40%)	7664-39-3	> 480	6
Hydrofluoric Acid (48%)	7664-39-3	> 480	6
Hydrogen Peroxide (30%)	7722-84-1	> 480	6
Isopropyl Alcohol (70%)	67-63-0	> 480	6
Mercury(II) Chloride (sat)	7487-94-7	> 480	6
Methanol	67-56-1	Imm.	--
Methyl Ethyl Ketone	78-93-3	Imm.	--
Methylamine (40%)	74-89-5	19	1
Methylhydrazine	60-34-4	2	--
N,N-Dimethyl Formamide	68-12-2	> 480	6
n-Hexane	110-54-3	Imm.	--
Nitric Acid (65%)	7697-37-2	273	5
Nitrobenzene	98-95-3	Imm.	--
Nitromethane	75-52-5	Imm.	--
Perchloric Acid (70%)	7601-90-3	> 480	6
Potassium Chromate (sat,5%)	7789-00-6	> 480	6
Potassium Hydroxide (50%)	1310-58-3	> 480	6
Sodium Cyanide(10%)	143-33-9	> 480	6
Sodium Hydroxide (40%)	1310-73-2	> 480	6
Sodium Hypochlorite (10-13%)	7681-52-9	> 480 mins	6
Sulfuric Acid (98%)	7664-93-9	> 480 mins	6
Tetrachloroethylene	127-18-4	Imm.	--
Tetrahydrofuran	109-99-9	Imm.	--
Toluene	108-88-3	Imm.	--
Unleaded Gasoline	----	Imm.	--

*Certified according to Regulation (EU) 2016/425.

3-piece hood



Extra chin flap



Double layer storm flaps



APPLICATION

Biological Hazards, Chemical Handling, Petrochemical, Decontamination, Disaster Management, Disease Control, Tank Cleaning, Oil Refinery, Shutdown Maintenance



WHOLE SUIT TEST PERFORMANCE

	RESULT
Type 3 EN ISO 17491-3 Jet Test	Pass
Type 4 EN ISO 17491-4/B Spray Test	Pass
Type 5 EN 13982-2 Inward Leakage Test	Pass
EN 1073-2 Against Radioactive Contamination	Class 1

FABRIC PHYSICAL PROPERTIES

TEST METHOD	CLASS
Abrasion Resistance	EN 530 5
Flex Cracking Resistance	EN ISO 7854/B 6
Trapezoidal Tear Resist.	EN ISO 9073-4 3
Tensile Strength	EN ISO 13934-1 3
Puncture Resistance	EN 863 2
Seam Strength	EN ISO 13935-2 4
AZO Colourants	EN 14362-1 Pass
Antistaticity	EN 1149-5 Pass
pH Value	EN ISO 3071 Pass
Resistance to Ignition	EN 13274-4 Pass
Colour Fastness to Perspiration	EN ISO 105-E04 Pass
Against Infective Agents	EN 14126 Pass
ISO 16603	ISO 16604
ISO 22610	ISO/DIS 22611
6	6
6	6
6	6
3	3
3	3

FABRIC CHEMICAL PROPERTIES by EN ISO 6530

PENETRATION	REPELLENCY
Sulphuric Acid 30%	3
Sodium Hydroxide 10%	3
o-Xylene	3
Butan-1-ol	3

Breakthrough time comes from the laboratory test result. Safe wearing time may be longer or shorter depending on some other conditions. The user shall be responsible for determining how long the garment can be worn. Although permeation test proves fabric of CAT.III Type 3 protective clothing serves as barrier to certain chemicals in gas phase, it is NOT categorized as gas-tight suit.