



alphachem X Chemical Permeation Guide - Breakthrough Times (mins.)

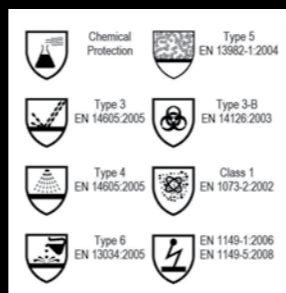
Chemical	CAS No.	alphachem X100	alphachem X200	alphachem X300
Acetone	67-64-1	imm.	> 480	> 480
Acetonitrile	75-05-8	> 480	> 480	> 480
Acrylonitrile	107-13-1	N/T	> 480	> 480
Ammonia Gas	7664-41-7	imm.	15	> 480
Benzene	71-43-2	N/T	imm.	> 480
Carbon Disulfide	75-15-0	> 480	imm.	> 480
Chlorine Gas	7782-50-5	imm.	> 480	> 480
Dichloromethane	75-09-2	imm.	imm.	> 480
Diethylamine	109-89-7	imm.	15	imm.
Dimethyl Formamide	68-12-2	> 480	> 480	> 480
Ethyl Acetate	141-78-6	imm.	> 480	> 480
Formaldehyde	50-00-0	N/T	> 480	> 480
Formic Acid	64-18-6	> 480	> 480	> 480
n-Hexane	110-54-3	imm.	> 480	> 480
Hydrochloric Acid (37%)	7647-01-0	420	> 480	> 480
Hydrogen Chloride Gas	7647-01-0	imm.	410	> 480
Hydrogen Fluoride (48%)	7664-39-3	110	> 480	> 480
Hydrogen Peroxide	7722-84-1	> 480	> 480	> 480
Methanol	67-56-1	210	> 480	> 480
MDI	101-68-8	> 480	> 480	> 480
Nitric Acid (70%)	7697-37-2	> 480	> 480	> 480
Nitrobenzene	98-95-3	50	150	170
Phenol Gas (99%)	108-95-2	> 480	> 480	> 480
Sodium Hydroxide (50%)	1310-73-2	> 480	> 480	> 480
Sulphuric Acid (95-97%)	7664-93-9	> 480	> 480	> 480
Tetrahydrofuran	109-99-9	imm.	81	> 480
Toluene	108-88-3	imm.	imm.	> 480
Trichloroethylene	79-01-6	N/T	imm.	> 480

Note: N/T = Not Tested imm. = Immediate

This chemical permeation data should be used as a guide only and always as part of a full risk assessment on the work to be undertaken wearing the product. The figures represent the fabric's chemical resistance under lab conditions and is not intended to offer a safe use time of the garment.



PROTECTIVE CLOTHING TO THE FOLLOWING STANDARDS



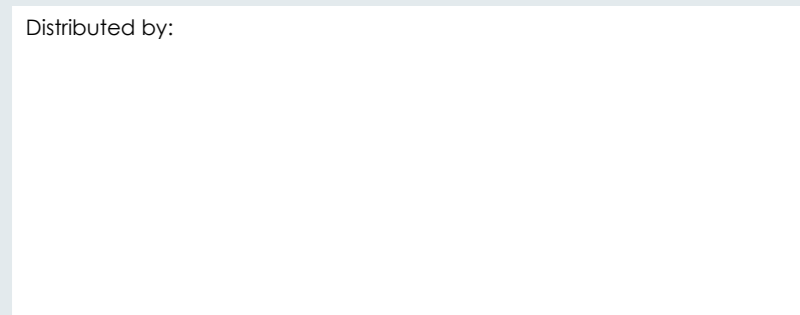
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alphachem

chemical protection
with a little Xtra...

Distributed by:



As manufacturers of personal protective equipment (PPE), Alpha Solway are specialists in the production of Chemical Protective Clothing offering a wide range of innovative products, manufactured to the highest standards and quality.

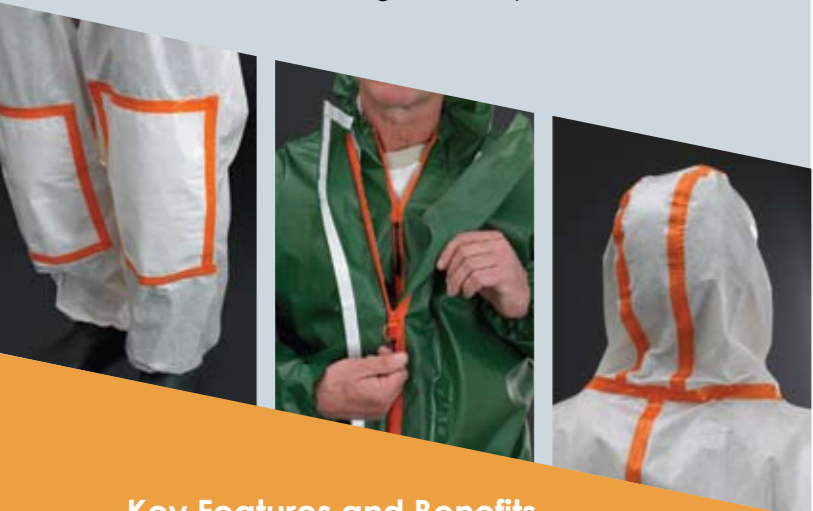


alphachem X provides a range of limited life garments that you can rely on.

Manufactured to the highest quality and certified to the latest EN standards, the alphachem X range is designed to provide increased wearer comfort, superior levels of safety, protection and exceptional garment durability - everything you need in a limited life garment... **with that little Xtra.**

Available in 3 fabric types and utilizing the latest multi-layer laminate technology, the alphachem X range is suitable for a wide variety of applications including:

- industrial
- pharmaceutical
- agricultural
- biological
- nuclear
- utility
- food
- manufacturing and many more



Key Features and Benefits of the alphachem X Range

- Inset sleeve, innovative 3-piece elasticated hood construction and 2-piece crotch pattern offer improved fit, enhanced freedom of movement, added comfort and durability
- Double storm flap and 2 way zip design with new alphachem X grab tag system provides exceptional safety, security and facilitates quick and easy donning/doffing in an emergency
- Special re-inforced knee patches gives added comfort and durability
- All seams are sewn and taped for added strength and protection
- Distinctive colour scheme for ease of identification



alphachem X100 is a light, durable and cost effective disposable HDPE chemical protective garment, suitable for work in Type 3 / 4 applications, including;

- Agricultural Spraying / Agrochemical Work
- Chemical Spills
- Plant Maintenance
- Tank Cleaning
- Decontamination Work
- Pressure Cleaning

alphachem X100 is available in Green.



alphachem X200 is a mid range, cost effective disposable chemical protective garment, manufactured using Dow Saranex barrier film. It offers increased wearer comfort, durability and chemical resistance across a much wider range of chemical applications in Type 3 / 4 applications, including;

- Hazardous Chemical Spills
- Demolition Applications
- Plant Maintenance
- Tank Cleaning
- Decontamination Work
- Waste Disposal

alphachem X200 is available in Off White with Orange Seams.



alphachem X300 is our top of the range, yet cost effective, disposable chemical protective garment, manufactured with EVOH multi-layer technology. It offers exceptional chemical resistance against the most demanding chemical hazard applications, including;

- Petrochemical Plant Maintenance
- Hazardous Waste Disposal
- Plant Maintenance
- Tank Cleaning
- Decontamination Work
- Pressure Cleaning

alphachem X300 is available in Orange.

