

PVC Chemical Protective Clothing



Lightweight PVC coverall and two piece ensemble for protection against splashes and sprays of liquid chemicals

- Superior lightweight PVC fabric – weight 310gsm. Lighter than most PVC coveralls
- Zip front fastening with double storm flap and hook & loop closure
- Certified to EN 14605 Type 3 & 4 for protection against liquid and jet chemical sprays
- Anti-static - certified to EN 1149-5: tested to EN 1149-3 (charge decay)
- Stitched and taped sealed seams
- Tested for up to 20 washes at 30°C*
- Coverall features **Super-B style** with 3-piece respirator-fit hood, crotch gusset and inset sleeves for superior freedom of movement
- Jacket features respirator-fit drawstring hood and zip front with double storm flap and hook and loop fastening
- Bib & Brace style pants with adjustable braces and quick release snaps
- Ideal for petrochemical applications such as tank cleaning and chemical storage applications, agricultural applications and chemical handling

* Physical properties and permeation tests conducted before washing. Garments contaminated with chemicals should not be washed and re-used. Inspect all garments before re-use; garments that are damaged or worn should not be re-used.

PVC Chemical Protective Clothing Styles



EPVC428V

Coverall with hood, single zip with double storm flap and hook and loop fastening
Size: SM - 3X



EPVCJT02

Jacket with drawstring hood, single zip, double storm flap and hook and loop fastening
Size: SM - 3X



EPVCTS02

Bib and brace pants with adjustable braces and quick-release snaps
Size: SM - 3X

Available in: Yellow

Physical Properties

Property	EN Standard	CE Class
Abrasion Resistance	EN 530	6
Flex Cracking	ISO 7854	6
Trapezoidal Tear	ISO 9073	2
Tensile Strength	EN 13934	3
Puncture Resistance	EN 863	3
Seam Strength	EN 13935	4
Anti-Static	EN 1149-3	t ₅₀ = 0.89s

Chemical Permeation - EN 6529

Chemical	CAS No.	CE Class
Acetic Acid 30%	64-19-7	6
Hydrochloric Acid 30%	7647-01-0	6
Phenol/Sodium Hydroxide 1:1	139-02-6	6
Sodium Hydroxide 50%	1310-73-2	6
Sodium Hypochlorite	7681-52-9	6
Sulphuric Acid 50%	7664-93-9	6

* NB = normalised breakthrough. This is the time taken for the PERMEATION RATE to reach 1.0µg/minute/cm² in controlled laboratory conditions at 23°C. It is NOT the point at which breakthrough first occurs. **For safe use times see Selection Guide and PermaSURE®.**

Note that when contaminated a chemical may permeate into the fabric and washing or decontamination may not remove it. In this case when re-using the normalized breakthrough may be lower than indicated by a test. For this reason we do not advise re-use of heavily contaminated garments. Where garments may have been contaminated and are to be re-used additional care must be taken during donning to ensure users do not make contact with any residual contamination that has not been removed.



A limited number of chemicals have been tested against Lakeland PVC material. More tests can be conducted on request. ChemMax® garments provide a more comprehensive protection against a much wider range of chemicals.

See our full chemical permeation database which can be downloaded at <https://www.lakeland.com/europe/resources/documents-gallery>

